Environment Canada | Environnement Canada

Historical Streamflow Summary

Alberta

Sommaire chronologique de l'écoulement

TO/JUSQU'À **1990**

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1991

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Alberta for which streamflow data to 1990 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on CD ROM, diskette or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief
Water Resources Branch
Department of the Environment
Room 854, 220-4th Avenue S.E.
Harry Hays Building
Calgary, Alberta
T2G 4X3
(403 292-5311)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau de l'Alberta, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1990 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de disque compact à mémoire morte, de disquette ou de ruban magnétique pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Pièce 854
220, Quatrième avenue S.-E.
Harry Hays Building
Calgary (Alberta)
T2G 4X3
(403 292-5311)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

presented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for

pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et

New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1988 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;
3. Annual maximum and minimum daily discharges;
4. Identification of the extreme recorded for the period of record;
5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1987.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1988 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la periode d'observation;
5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1987.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1989 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

(c) la moyenne de toutes les moyennes mensuelles;

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1989 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.036	2.98	2.84	1.29	0.219	0.284	4.40	0.594	---	---	1.57	1978
1979	---	---	0.026	1.35	6.58	5.07	7.96	0.392	0.242	0.201	---	---	2.73	1979
1980	---	---	0.001	1.09	1.12	1.01	1.65	1.89	2.65	0.654	---	---	1.25	1980
1981	---	---	0.255	2.38	2.01	1.34	0.755	0.091	0.071	0.190	---	---	0.880	1981
1982	---	---	0	0.679	3.88	0.479	1.52	2.38	0.192	0.163	---	---	1.17	1982
1983	---	---	0	0.557	0.975	6.75	6.69	0.825	0.455	0.662	---	---	2.12	1983
1984	---	---	0.144	1.75	2.90	2.70	0.653	0.359	1.35	0.518	---	---	1.29	1984
1985	---	---	0.142	3.51	5.37	1.32	0.320	0.146	1.86	1.38	---	---	1.75	1985
1986	---	---	0.108	2.43	3.88	1.09	5.30	1.91	0.555	0.906	---	---	2.03	1986
1987	---	---	0.087	2.32	1.40	0.551	0.250	0.666	0.379	0.119	---	---	0.717	1987
1988	---	---	0.077	2.76	1.77	3.80	8.29	0.200	0.066	0.128	---	---	2.06	1988
1989	---	---	0.006	1.09	4.15	1.49	2.13	5.27	1.31	0.432	---	---	1.99	1989
1990	---	---	0.169	2.24	2.02	1.74	0.646	0.233	0.345	0.465	---	---	0.976	1990
MEAN	---	---	0.081	1.88	2.99	2.20	2.80	1.13	1.08	0.493	---	---	1.58	MEAN

LOCATION - LAT 55 13 05 N LONG 115 20 04 W DRAINAGE AREA, 138 km² NATURAL FLOW

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	61.2 AT 10:00 MST ON SEP 17	43.0 ON SEP 17	0.006B ON MAR 02	33 300	1978
1979	99.6 AT 14:30 MST ON JUL 01	44.9 ON JUL 01	0.012B ON MAR 01	57 900	1979
1980	12.5 AT 22:30 MST ON AUG 05	8.75 ON AUG 06	0 B ON MAR 01 *	26 500	1980
1981	13.2 AT 19:00 MST ON APR 24	7.99 ON APR 24	0.005B ON MAR 01	18 600	1981
1982	26.4 AT 23:50 MST ON AUG 03	17.7 ON AUG 04	0 B ON MAR 01	24 800	1982
1983	100 AT 15:30 MST ON JUN 25	54.8 ON JUN 25	0 B ON MAR 01	44 900	1983
1984	18.7 AT 15:00 MST ON JUN 07	14.0 ON JUN 07	0.040B ON MAR 14	27 300	1984
1985	23.0 AT 21:00 MST ON MAY 03	16.8 ON MAY 03	0.040B ON MAR 01	37 100	1985
1986	61.8 AT 04:00 MST ON JUL 18	40.9 ON JUL 18	0.036B ON MAR 18	43 000	1986
1987	4.90 AT 21:00 MST ON APR 15	4.03 ON APR 15	0.084B ON MAR 24	15 200	1987
1988	275 AT 17:00 MST ON JUL 06 *	133 A ON JUL 06 *	0 B ON MAR 01	43 500	1988
1989	83.1 AT 15:00 MST ON AUG 03	45.3 ON AUG 04	0.002B ON MAR 21	42 200	1989
1990	13.7 AT 02:30 MST ON JUN 13	10.2 ON JUN 13	0.041 ON AUG 14	20 700	1990
				33 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

AETNA CREEK AT HIGHWAY NO. 501 - STATION NO. 05AE912

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	0.322	0.163	0.174	0.193	0.078	---	---	---	1986
1987	---	---	---	---	0.114	0.298	0.276	0.282	0.071	0.049	---	---	---	1987
1988	---	---	---	---	0.163	0.237	0.108	0.173	0.179	0.061	---	---	---	1988
1989	---	---	---	---	0.130	0.281	0.237	0.391	0.271	0.129	---	---	---	1989
1990	---	---	---	---	0.194	0.190	0.285	0.475	0.205	0.185	---	---	---	1990
MEAN	---	---	---	---	0.155	0.266	0.214	0.299	0.184	0.100	---	---	---	MEAN

LOCATION - LAT 49 08 00 N LONG 113 15 00 W DRAINAGE AREA, 32.6 km² REGULATED

AETNA CREEK AT HIGHWAY NO. 501 - STATION NO. 05AE912

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	1.01 AT 22:10 MST ON JUN 06	0.514 ON JUN 06	0 ON MAY 27 *	---	1986
1987	0.877 AT 10:44 MST ON MAY 25	0.333 ON JUN 15	0 ON APR 19	---	1987
1988	0.814 AT 13:17 MST ON MAY 14	0.504 ON JUN 03	0 ON MAY 01	---	1988
1989	2.73 AT 01:43 MST ON JUN 11 *	1.65 ON JUN 11 *	0 ON APR 24	---	1989
1990	---	1.60 ON MAY 29	0A ON APR 25	---	1990
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ALBERTA POWER LIMITED COOLING POND OUTLET - STATION NO. 05CG007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.104	0.181	0.529	0.170	0.132	0	---	---	---	1985
1986	---	---	0	0	0.072	0.400	0.594	0.100	0.882	0.125	---	---	0.270	1986
1987	---	---	0	0	0.570	0.634	0.733	0.265	0.892	0	---	---	0.385	1987
1988	---	---	0	0	0.544	0.946	0.685	0.851	0.742	0	---	---	0.470	1988
1989	---	---	0	0	0.256	0.850	0.751	0.805	0.479	0.049	---	---	0.398	1989
1990	---	---	0	0.296	0.465	1.03	0.945	1.31	0.302	0.183	---	---	0.567	1990
MEAN	---	---	0	0.059	0.335	0.674	0.706	0.584	0.572	0.060	---	---	0.418	MEAN

LOCATION - LAT 51 25 33 N
LONG 111 48 00 W REGULATED

ALBERTA POWER LIMITED COOLING POND OUTLET - STATION NO. 05CG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	1.62 ON MAY 12	0E ON MAY 01 *	---	1985
1986	---	1.53 ON SEP 27	0 ON MAR 01	5 710	1986
1987	1.56 AT 09:39 MST ON SEP 02 *	1.49 ON SEP 05	0 ON MAR 01	8 150	1987
1988	---	1.67 ON AUG 27 *	0 ON MAR 01	9 950	1988
1989	---	0.965 ON AUG 12	0 ON MAR 01	8 430	1989
1990	---	1.64 ON APR 22	0 ON MAR 01	12 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 850	MEAN

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	11.4	17.1	17.6	14.0	---	---	---	---	---	1914
1915	---	---	---	---	8.97	8.93	6.42	5.42	6.47	---	---	---	---	1915
1916	---	---	---	---	6.16	5.20	5.52	6.91	4.91	1.12	---	---	5.14	1916
1917	---	---	---	---	---	7.46	12.2	11.6	5.95	---	---	---	---	1917
1918	---	---	---	---	9.21	14.3	15.4	12.4	10.2	---	---	---	---	1918
1919	---	---	---	---	9.59	16.7	15.0	9.16	6.77	---	---	---	---	1919
1920	---	---	---	---	---	14.9	20.2	14.4	13.6	12.8	---	---	---	1920
1921	---	---	---	---	10.5	20.9	23.4	15.9	10.7	---	---	---	---	1921
1922	---	---	---	---	10.5	19.5	19.5	14.6	8.49	4.54	---	---	12.9	1922
1923	---	---	---	---	10.7	12.8	12.6	12.4	13.4	9.14	---	---	11.8	1923
1924	---	---	---	---	13.4	16.0	21.4	14.0	9.94	---	---	---	---	1924
1925	---	---	---	---	---	22.1	19.8	14.7	11.2	---	---	---	---	1925
1926	---	---	---	---	14.2	15.1	12.9	7.98	11.1	---	---	---	---	1926
1927	---	---	---	---	5.22	5.42	10.3	12.5	9.78	4.68	---	---	7.97	1927
1928	---	---	---	---	---	13.1	2.89	7.78	11.5	---	---	---	---	1928
1929	---	---	---	---	---	5.49	12.9	9.02	5.81	---	---	---	---	1929
1930	---	---	---	---	7.90	19.4	19.2	9.81	8.33	---	---	---	---	1930
MEAN	---	---	---	---	9.81	13.9	14.6	11.3	9.26	6.46	---	---	9.45	MEAN

LOCATION - LAT 49 20 02 N
LONG 113 02 42 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	10.5 ON JUN 05	---	---	1915
1916	---	10.9 ON MAY 24	0 ON OCT 12 *	81 700	1916
1917	---	14.9 ON JUL 11	---	---	1917
1918	---	18.0 ON JUN 30	---	---	1918
1919	---	21.2 ON SEP 12	---	---	1919
1920	---	24.4E ON JUL 04	---	---	1920
1921	---	27.5 ON JUL 03 *	---	---	1921
1922	---	25.3 ON JUL 06	0 ON OCT 19	204 000	1922
1923	---	18.9 ON MAY 31	0.425E ON OCT 06	188 000	1923
1924	---	27.1 ON JUL 20	---	---	1924
1925	---	24.2 ON JUN 12	---	---	1925
1926	---	16.7 ON JUN 10	---	---	1926
1927	---	14.6 ON AUG 10	0 ON SEP 14	127 000	1927
1928	---	23.3 ON JUN 05	---	---	1928
1929	---	16.3 ON JUN 30	---	---	1929
1930	---	25.2 ON JUL 01	---	---	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		150 000	MEAN

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	8.19	17.8	16.2	13.4	11.7	---	---	---	---	1910
1911	---	---	---	---	7.62	---	---	11.0	---	---	---	---	---	1911
1912	---	---	---	---	7.38	14.2	9.33	8.44	8.75	0.255	---	---	---	1912
1913	---	---	---	---	7.41	14.9	9.94	10.8	9.64	2.67	---	---	---	1913
1914	---	---	---	0.534	12.9	19.7	18.9	15.3	10.4	1.80	---	---	11.4	1914
1915	---	---	---	0.581	9.13	8.84	6.28	5.51	6.89	1.69	---	---	5.56	1915
1916	---	---	---	0.301	5.75	5.12	6.96	6.92	4.95	1.00	---	---	4.44	1916
MEAN	---	---	---	0.472	8.34	13.4	11.3	10.2	8.72	1.48	---	---	7.13	MEAN

LOCATION - LAT 49 07 53 N
LONG 113 08 58 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	24.3 ON JUN 20 *	---	---	1911
1912	---	---	---	---	1912
1913	---	14.8 ON JUN 19	0 ON OCT 03 *	---	1913
1914	---	19.3 ON JUN 17	0 ON OCT 10	---	1914
1915	---	20.6 ON JUN 23	0 ON APR 01	210 000	1915
1916	---	10.6 ON MAY 22	0 ON APR 01	103 000	1916
		9.63 ON MAY 21	0 ON APR 01	82 100	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		132 000	MEAN

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	0	0	0	0	0	---	---	---	1962
1963	---	---	0.019	0.007	0.001	0	0	0	0	0	---	---	0.003	1963
1964	---	---	0	0.010	0.008	0	0	0	0	0	---	---	0.002	1964
1965	---	---	0.010	5.49	0.018	0.004	0	0	0	0	---	---	0.676	1965
1966	---	---	0.661	0.012	0.006	0.003	0	0	0	0	---	---	0.096	1966
1967	---	---	0.004	0.640	0.019	0.001	0	0	0	0	---	---	0.081	1967
1968	---	---	0.002	0.003	0.002	0.002	0	0	0	0	---	---	0.001	1968
1969	---	---	0	5.78	0.009	0	0	0	0	0	---	---	0.708	1969
1970	---	---	0.086	0.156	0.004	0.001	0.001	0	0	0	---	---	0.031	1970
1971	---	---	0	1.46	0.014	0	0	0	0	0	---	---	0.181	1971
1972	---	---	0.042	0.018	0.014	0	0	0	0	0	---	---	0.009	1972
1973	---	---	0.953	0.027	0.015	0.025	0.001	0	0	0	---	---	0.129	1973
1974	---	---	0	1.65	0.062	0.010	0	0	0	0	---	---	0.212	1974
1975	---	---	0	0.216	0.055	0.018	0.001	0	0	0	---	---	0.036	1975
1976	---	---	0.043	0.103	0.015	0	0	0	0	0	---	---	0.020	1976
1977	---	---	0.003	0.002	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.012	0.042	0.012	0.004	0	0	0	0	---	---	0.009	1978
1979	---	---	0.137	0.023	0.011	0.001	0	0	0	0	---	---	0.022	1979
1980	---	---	0.017	0.007	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.005	0.003	0.004	0.004	0	0	0	0	---	---	0.002	1981
1982	---	---	0.001	0.008	0.006	0.002	0	0	0	0	---	---	0.002	1982
1983	---	---	0.013	0.015	0.012	0	0.027	0	0	0	---	---	0.008	1983
1984	---	---	0.012	0.013	0.001	0.001	0	0	0	0	---	---	0.004	1984
1985	---	---	0.035	0.786	0.006	0	0	0	0	0	---	---	0.101	1985
1986	---	---	0.007	0.005	0.005	0.003	0	0	0.002	0.004	---	---	0.003	1986
1987	---	---	0.015	0.020	0.002	0	0	0	0	0	---	---	0.005	1987
1988	---	---	0.005	0.004	0	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0.003	0.012	0.003	0	0	0	0	0	---	---	0.002	1989
1990	---	---	0.003	0.004	0	0	0	0	0	0	---	---	0.001	1990
MEAN	---	---	0.075	0.590	0.011	0.003	0.001	0	0	0	---	---	0.084	MEAN

LOCATION - LAT 50 53 54 N
LONG 110 30 30 W DRAINAGE AREA, 590 km^2
NATURAL FLOW

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	0 ON JUN 01 *	---	1962
1963	---	0.034B ON MAR 22	0 ON MAY 09	73.3	1963
1964	---	0.048 ON MAY 05	0 ON MAR 01	48.1	1964
1965	95.1 AT 13:30 MST ON APR 10 *	30.9 ON APR 10	0B ON MAR 01	14 300	1965
1966	---	1.79 ON MAR 17	0E ON MAR 01	1 830	1966
1967	---	6.09 ON APR 15	0B ON MAR 01	1 720	1967
1968	---	0.014 ON MAY 31	0B ON MAR 01	22.1	1968
1969	42.2 AT 08:30 MST ON APR 10	37.7 ON APR 09 *	0B ON MAR 01	15 000	1969
1970	---	0.926B ON APR 06	0B ON MAR 01	652	1970
1971	11.1 AT 12:30 MST ON APR 14	8.18 ON APR 14	0B ON MAR 01	3 820	1971
1972	---	0.368B ON MAR 20	0B ON MAR 01	196	1972
1973	6.85 AT 18:40 MST ON MAR 25	3.62 ON MAR 25	0B ON MAR 01	2 730	1973
1974	9.46 B ON APR 15	8.72 B ON APR 15	0B ON MAR 01	4 480	1974
1975	2.44 AT 18:00 MST ON APR 22	1.44 ON APR 23	0B ON MAR 01	755	1975
1976	1.29 B AT 15:00 MST ON APR 01	0.971B ON APR 01	0B ON MAR 01	422	1976
1977	---	0.008B ON MAR 17	0B ON MAR 01	14.9	1977
1978	---	0.091B ON APR 04	0B ON MAR 01	186	1978
1979	---	0.580B ON MAR 12	0B ON MAR 01	460	1979
1980	---	0.077B ON MAR 28	0B ON MAR 01	65.4	1980
1981	0.026 AT 04:30 MST ON JUN 16	0.025 ON JUN 16	0 ON APR 29	42.2	1981
1982	0.015 AT 13:50 MST ON APR 23	0.012 ON APR 23	0B ON MAR 01	44.0	1982
1983	1.29 AT 19:29 MST ON JUL 20	0.216 ON JUL 21	0 ON MAY 27	178	1983
1984	---	0.034B ON MAR 24	0B ON MAR 01	74.6	1984
1985	13.3 B AT 18:11 MST ON APR 04	7.02 B ON APR 05	0B ON MAR 01	2 150	1985
1986	1.00 B AT 07:25 MST ON FEB 25	0.039 ON JUN 19	0 ON MAY 28	68.7	1986
1987	0.043B AT 21:13 MST ON MAR 04	0.031 ON APR 03	0B ON MAR 01	96.8	1987
1988	0.602 AT 17:20 MST ON JUL 22	0.015B ON MAR 10	0B ON MAR 01	24.3	1988
1989	0.079B AT 16:21 MST ON APR 02	0.056B ON APR 02	0B ON MAR 01	47.6	1989
1990	0.013B AT 15:58 MST ON MAR 10	0.012 ON MAR 31	0B ON MAR 01	20.6	1990
				1 770	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.006	0	0	0	0	---	---	---	1975
1976	---	---	0.260	0.626	0.007	0	0.007	0	0	0	---	---	0.111	1976
1977	---	---	0	0.006	0.163	0.069	0	0	0	0	---	---	0.030	1977
1978	---	---	0.245	0.489	0.001	0.013	0	0	0.703	0.048	---	---	0.185	1978
1979	---	---	2.26	1.45	0.117	0.036	0.025	0.007	0	0	---	---	0.487	1979
1980	---	---	0	1.74	0.058	0	0	0	0	0	---	---	0.221	1980
1981	---	---	1.07	0.251	0.049	0.012	0	0	0	0	---	---	0.173	1981
1982	---	---	0	0.777	0.069	0	1.20	0.007	0.004	0	---	---	0.257	1982
1983	---	---	0	1.43	0.010	0.807	1.84	0	0	0	---	---	0.508	1983
1984	---	---	0.147	0.080	0.012	0.089	0.047	0.006	0.006	0.014	---	---	0.050	1984
1985	---	---	2.31	1.11	0.128	0.025	0.002	0	0	0	---	---	0.448	1985
1986	---	---	2.48	0.168	0.189	0.018	0.017	0.007	0	0	---	---	0.364	1986
1987	---	---	0	0.996	0.013	0.006	0	0.304	0.559	0.023	---	---	0.234	1987
1988	---	---	0.001	0.082	0.001	0.879	0.105	0	0	0	---	---	0.131	1988
1989	---	---	0.002	0.508	0.054	0.056	0.033	0.001	0.116	0.037	---	---	0.099	1989
1990	---	---	0.710	0.385	0.024	0	2.25	0.026	0.004	0.005	---	---	0.429	1990
MEAN	---	---	0.632	0.673	0.060	0.126	0.345	0.022	0.087	0.008	---	---	0.248	MEAN

LOCATION - LAT 53 18 35 N
LONG 112 33 10 W
DRAINAGE AREA, 377 km²
NATURAL FLOW

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON JUN 21 *	---	1975
1976	---	2.83 B ON MAR 31	0B ON MAR 01	2 360	1976
1977	0.991 AT 01:00 MST ON MAY 20	0.926 ON MAY 20	0B ON MAR 01	632	1977
1978	3.40 B AT 16:20 MST ON MAR 29	2.68 ON SEP 18	0B ON MAR 01	3 910	1978
1979	12.2 AT 23:50 MST ON MAR 18	11.4 ON MAR 19	0 ON MAR 01	10 300	1979
1980	13.8 AT 22:50 MST ON APR 13	12.3 ON APR 14	0B ON MAR 01	4 670	1980
1981	7.27 AT 00:50 MST ON MAR 16	5.98 B ON MAR 16	0B ON MAR 01	3 670	1981
1982	6.45 AT 15:17 MST ON APR 23	5.54 ON JUL 06	0B ON MAR 01	5 450	1982
1983	---	6.29 ON APR 07	0B ON MAR 01	10 800	1983
1984	---	0.629B ON MAR 28	0B ON MAR 01	1 060	1984
1985	14.0 B AT 13:00 MST ON MAR 20 *	14.0 B ON MAR 20 *	0B ON MAR 01	9 470	1985
1986	---	5.60 B ON MAR 03	0 ON MAY 04	7 710	1986
1987	---	5.94 B ON APR 04	0B ON MAR 01	4 950	1987
1988	6.43 AT 14:28 MST ON JUN 11	5.86 ON JUN 11	0B ON MAR 01	2 780	1988
1989	---	2.36 B ON APR 05	0B ON MAR 01	2 100	1989
1990	11.1 AT 09:13 MST ON JUL 08	10.7 ON JUL 08	0B ON MAR 01	9 090	1990
				5 260	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	1.37	24.3	18.9	12.7	30.0	8.43	3.70	2.08	---	---	12.7	1971
1972	---	---	0.763	8.55	16.9	3.97	1.46	0.999	0.997	0.636	---	---	4.28	1972
1973	---	---	0.064	1.78	1.74	5.65	2.76	3.73	3.18	1.88	---	---	3.08	1973
1974	---	---	0.978	23.6	32.7	10.6	9.37	3.51	2.25	1.75	---	---	10.6	1974
1975	---	---	0.762	5.38	7.46	4.23	11.3	3.88	12.4	3.22	---	---	6.06	1975
1976	---	---	1.00	8.34	2.73	1.47	2.35	0.729	0.883	0.340	---	---	2.59	1976
1977	---	---	0.397	4.93	9.90	4.81	3.43	2.00	2.35	6.17	---	---	4.00	1977
1978	---	---	0.548	8.02	8.60	25.2	4.26	1.85	13.8	9.08	---	---	8.83	1978
1979	---	---	2.92	11.2	21.7	12.5	11.6	5.67	3.05	1.35	---	---	8.76	1979
1980	---	---	0.516	4.84	1.94	0.595	0.444	2.52	2.48	2.21	---	---	1.82	1980
1981	---	---	2.15	4.97	1.79	1.11	2.38	0.804	0.259	0.093	---	---	1.69	1981
1982	---	---	0	2.39	1.88	0.247	0.114	0.026	0.001	0	---	---	0.578	1982
1983	---	---	0.010	1.03	0.472	1.11	5.88	3.80	2.15	1.20	0.628	---	1.96	1983
1984	---	---	0.755	3.04	2.01	11.1	1.36	0.107	0.174	0.773	---	---	2.38	1984
1985	---	---	0.156	5.08	5.99	0.914	0.168	0.030	0.007	0.239	---	---	1.57	1985
1986	---	---	0.200	1.79	0.730	0.525	8.18	3.88	0.309	0.252	---	---	2.00	1986
1987	---	---	0.264	9.87	2.71	1.98	0.631	0.602	0.201	0.051	---	---	2.01	1987
1988	---	---	0.198	0.704	0.206	0.080	0.261	0.015	0.014	0.006	---	---	0.184	1988
1989	---	---	0	0.033	0.146	0.089	0.031	0.058	0.087	0.022	---	---	0.058	1989
1990	---	---	0.047	1.03	0.515	0.067	1.19	0.055	0.020	0.001	---	---	0.366	1990
MEAN	---	---	0.655	6.54	6.91	5.15	4.91	2.13	2.42	1.57	0.628	---	3.78	MEAN

LOCATION - LAT 54 28 20 N DRAINAGE AREA, 2 510 km²
LONG 112 01 00 W NATURAL FLOW

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	60.6 ON APR 24 *	1.27 B ON MAR 14	268 000	1971
1972	24.6 AT 11:40 MST ON MAY 03	24.6 ON MAY 03	0.450A ON OCT 31	90 600	1972
1973	25.5 AT 17:45 MST ON JUN 18	25.3 ON JUN 19	0.028B ON MAR 01	65 100	1973
1974	51.3 AT 01:30 MST ON APR 24	51.3 ON APR 24	0.793B ON MAR 23	224 000	1974
1975	22.7 AT 18:30 MST ON SEP 04	22.5 ON SEP 04	0.722B ON MAR 12	128 000	1975
1976	16.4 AT 00:00 MST ON APR 11	14.1 ON APR 11	0.176 ON OCT 09	54 900	1976
1977	18.1 AT 07:00 MST ON MAY 20	18.0 ON MAY 20	0.258 ON SEP 20	84 600	1977
1978	52.4 AT 06:20 MST ON JUN 01 *	52.1 ON JUN 01	0.102B ON MAR 08	187 000	1978
1979	34.9 AT 04:10 MST ON MAY 02	34.8 ON MAY 02	0.974 ON OCT 24	185 000	1979
1980	---	7.13 B ON APR 11	0.060E ON AUG 02	38 500	1980
1981	6.86B AT 02:00 MST ON APR 01	6.21 B ON APR 01	0.049 ON OCT 20	35 800	1981
1982	---	7.40 B ON APR 24	0 B ON MAR 01 *	12 200	1982
1983	12.5 AT 21:01 MST ON JUL 23	12.4 ON JUL 23	0 B ON MAR 01	41 600	1983
1984	18.4 AT 22:19 MST ON JUN 08	18.3 ON JUN 09	0.005E ON AUG 31	50 500	1984
1985	---	10.5 ON APR 24	0.001E ON AUG 20	33 200	1985
1986	20.9 AT 12:38 MST ON JUL 24	20.8 ON JUL 24	0.010B ON MAR 05	42 100	1986
1987	31.5 AT 00:13 MST ON APR 13	26.8 B ON APR 12	0.005 ON JUL 31	42 600	1987
1988	1.90 AT 06:41 MST ON APR 13	1.51 B ON APR 12	0.001 ON JUN 25	3 900	1988
1989	1.46 AT 02:14 MST ON JUN 22	0.835 ON JUN 22	0 B ON MAR 01	1 230	1989
1990	4.49 AT 22:08 MST ON JUL 07	4.20 ON JUL 08	0 B ON MAR 01	7 750	1990
				79 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.425	0.454	0.622	0.452	0.356	0.362	---	---	0.445	1959
1960	---	---	---	---	0.374	1.21	0.722	0.851	1.17	0.674	---	---	0.831	1960
1961	---	---	---	---	0.313	0.589	0.493	0.272	0.316	0.139	---	---	0.353	1961
1962	---	---	---	0.188	0.386	0.399	0.301	0.254	0.151	0.053	---	---	0.270	1962
1963	---	---	---	---	0.321	0.164	0.162	0.120	0.121	0.133	---	---	0.170	1963
1964	---	---	---	---	0.113	0.548	0.185	0.187	0.053	0.031	---	---	0.185	1964
1965	---	---	---	---	0.057	0.315	0.083	0.073	0.002	0.087	---	---	0.102	1965
1966	---	---	---	---	0.219	0.414	0.157	0.057	0.056	0.075	---	---	0.162	1966
1967	---	---	---	---	0.011	0.317	0.472	0.155	0.101	0.272	---	---	0.221	1967
1968	---	---	---	---	0.442	0.342	0.381	0.056	0.164	0.220	---	---	0.260	1968
1969	---	---	---	---	0.113	0.405	0.922	0.136	0.084	0.098	---	---	0.293	1969
1970	---	---	---	---	0.110	0.238	0.132	0.309	0.201	0.133	---	---	0.187	1970
1971	---	---	---	---	0.238	0.365	0.178	0.388	0.682	0.143	---	---	0.330	1971
1972	---	---	---	---	---	---	0.163	0.553	0.298	0.116	---	---	---	1972
1973	---	---	---	---	0.626	0.250	0.347	0.231	0.047	0.024	---	---	0.255	1973
1974	---	---	---	---	0.090	0.394	0.157	0.050	0.014	0.005	0	---	0.117	1974
1975	---	---	---	---	0.091	0.291	0.694	0.303	0.044	0.162	---	---	0.265	1975
1976	---	---	---	---	0.136	0.024	0.016	0.122	0.072	0.006	---	---	0.063	1976
1977	---	---	---	---	0.084	0.069	0.009	0.047	0.891	0.081	---	---	0.194	1977
1978	---	---	---	---	0.029	0.070	0.763	0.493	0.101	0.054	---	---	0.253	1978
1979	---	---	---	---	0.050	0.210	0.184	0.315	0.195	2.06	---	---	0.505	1979
1980	---	---	---	---	0.293	0.089	0.255	1.03	0.291	0.051	---	---	0.336	1980
1981	---	---	---	---	0.274	0.099	0.091	0.185	0.104	1.22	0.686	---	0.331	1981
1982	---	---	---	---	0.145	0.168	0.194	0.156	0.131	0.096	---	---	0.148	1982
1983	---	---	---	---	0.107	0.141	0.151	0.231	0.102	0.494	---	---	0.205	1983
1984	---	---	---	---	0.152	0.124	0.214	0.177	0.104	0.060	---	---	0.139	1984
1985	---	---	---	---	0.131	0.138	0.152	0.152	0.122	0.011	---	---	0.118	1985
1986	---	---	---	---	0.251	0.280	0.372	0.430	0.346	0.036	---	---	0.286	1986
1987	---	---	---	---	0.363	0.352	0.401	0.227	0.190	0.146	---	---	0.280	1987
1988	---	---	---	---	0.152	0.306	0.126	0.067	0.147	0.083	---	---	0.146	1988
MEAN	---	---	---	0.188	0.210	0.302	0.306	0.269	0.222	0.238	0.343	---	0.257	MEAN

LOCATION - LAT 50 27 20 N
LONG 112 09 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1976

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	3.45 ON JUL 09	0.198 ON SEP 07	7 080	1959
1960	---	6.40 ON JUN 13 *	0.164 ON MAY 05	13 200	1960
1961	---	4.47 ON JUN 14	0.011 ON OCT 20	5 610	1961
1962	---	2.07 ON MAY 10	0 ON MAY 16 *	4 300	1962
1963	---	3.23 ON OCT 01	0 ON SEP 01	2 710	1963
1964	---	2.24 ON JUN 01	0 ON OCT 29	2 940	1964
1965	---	2.07 ON JUN 15	0 E ON MAY 01	1 630	1965
1966	---	3.06 A ON JUN 14	0 ON SEP 10	2 580	1966
1967	---	2.03 ON JUL 05	0 E ON MAY 01	3 520	1967
1968	---	3.14 ON OCT 11	0.018 ON OCT 30	4 260	1968
1969	---	4.42 ON JUL 04	0.001 ON MAY 11	4 670	1969
1970	---	1.77 ON JUN 13	0 ON MAY 04	2 970	1970
1971	---	1.76 ON SEP 16	0.003E ON MAY 01	5 250	1971
1972	---	---	---	---	1972
1973	---	3.31 ON MAY 28	0.007 ON MAY 01	4 060	1973
1974	---	2.67 ON JUN 27	0 ON OCT 23	1 870	1974
1975	---	2.72 ON JUL 04	0 ON AUG 12	4 220	1975
1976	---	1.39 ON MAY 20	0 ON JUL 21	998	1976
1977	---	1.98 ON SEP 26	0.001 ON JUL 18	3 080	1977
1978	---	2.69 ON AUG 23	0.003 ON OCT 27	4 030	1978
1979	---	4.13 ON OCT 03	0.018 ON OCT 31	8 020	1979
1980	---	3.28 ON AUG 06	0.004 ON OCT 19	5 350	1980
1981	---	5.38 ON OCT 31	0.051 ON MAY 05	5 260	1981
1982	---	0.801E ON JUL 26	0.036 ON MAY 01	2 350	1982
1983	---	1.73 ON OCT 21	0.031A ON OCT 31	3 260	1983
1984	---	0.969 ON MAY 29	0.020B ON OCT 31	2 210	1984
1985	---	0.694 ON SEP 30	0.001E ON OCT 07	1 870	1985
1986	---	0.803 ON SEP 25	0.002 ON OCT 10	4 540	1986
1987	---	0.515 ON JUL 19	0 ON OCT 31	4 450	1987
1988	---	1.83 ON JUN 09	0 ON OCT 27	2 320	1988
				4 090	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARCADIA CREEK NEAR ARCADIA - STATION NO. 07BH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	4.85	0.392	0.170	0.067	0.007	---	---	---	---	1922
MEAN	---	---	---	---	4.85	0.392	0.170	0.067	0.007	---	---	---	---	MEAN

LOCATION - LAT 55 23 58 N
LONG 116 07 39 W
DRAINAGE AREA, 177 km^2
NATURAL FLOW

ARCADIA CREEK NEAR ARCADIA - STATION NO. 07BH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	---	---	1922
				---	MEAN

ASPHALT CREEK NEAR FORT MACKAY - STATION NO. 07DA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.19	0.857	---	---	---	---	1975
1976	0.001	0	0	0.868	0.303	0.363	0.963	0.336	0.173	0.518	0.085	0	0.302	1976
1977	0	0	0	0.247	0.891	0.479	0.984	0.205	0.214	0.476	0.098	0	0.302	1977
MEAN	0.001	0	0	0.558	0.597	0.421	0.974	0.577	0.415	0.497	0.092	0	0.302	MEAN

LOCATION - LAT 57 32 20 N LONG 111 40 36 W DRAINAGE AREA, 148 km² NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO. 07DA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975				---	1975
1976	---	---	---	9 540	1976
1977	2.72 AT 20:12 MST ON JUL 04 *	3.60B ON APR 13 *	0B ON JAN 07 *	9 530	1977
		2.54 ON JUL 05	0B ON JAN 01		
				9 540	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	383	949	1 040	891	469	252	---	---	---	1913
1914	90.6	82.1	89.5	131	374	1 590	1 170	548	392	356	166	90.1	425	1914
1915	104	91.6	115	329	371	1 150	1 660	832	425	253	155	94.6	467	1915
1916	74.9	71.6	74.5	209	389	786	1 280	655	439	286	164	83.0	377	1916
1917	80.0	64.3	61.9	212	1 260	1 120	834	491	348	314	170	95.9	423	1917
1918	109	88.5	88.0	289	404	1 050	974	523	333	212	125	82.3	357	1918
1919	70.7	66.3	57.0	185	266	681	645	579	542	234	148	100	299	1919
1920	85.7	82.0	79.2	127	1 450	1 230	1 210	851	512	395	175	101	527	1920
1921	113	119	123	350	804	1 060	853	692	412	301	228	105	431	1921
1922	75.3	77.4	80.7	141	539	661	607	561	403	258	139	59.6	302	1922
1923	56.7	49.4	51.8	181	437	1 020	1 020	594	493	344	245	143	397	1923
1924	66.2	87.9	81.2	109	809	706	766	853	751	403	233	89.8	414	1924
1925	54.2	55.7	84.4	926	690	932	712	874	707	420	221	177	489	1925
1926	156	130	135	431	465	717	697	470	667	446	270	144	395	1926
1927	104	104	117	299	769	1 140	1 410	715	568	390	197	119	497	1927
1928	113	96.6	123	290	723	1 260	1 270	655	412	286	163	147	463	1928
1929	88.2	78.6	100	215	648	809	654	547	379	346	188	83.2	346	1929
1930	60.6	67.0	75.8	305	641	1 190	977	631	458	252	214	164	421	1930
1931	118	111	129	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	---	---	374	818	726	586	511	192	---	---	---	1938
1939	---	---	---	---	418	526	746	467	237	234	---	---	---	1939
1940	---	---	---	---	961	867	804	514	397	249	---	---	---	1940
1941	---	---	---	---	---	---	829	565	405	340	---	---	---	1941
1942	---	---	---	---	338	1 130	1 050	707	603	296	---	---	---	1942
1943	---	---	---	---	438	1 120	1 100	676	353	212	---	---	---	1943
1944	---	---	---	---	582	2 250	1 120	700	472	302	---	---	---	1944
1945	---	---	---	---	411	629	516	499	271	279	---	---	---	1945
1946	---	---	---	---	387	1 100	783	496	315	163	---	---	---	1946
1947	---	---	---	---	722	905	795	769	538	354	---	---	---	1947
1948	---	---	---	---	2 500	1 250	969	1 040	635	358	---	---	---	1948
1949	---	---	---	---	355	556	607	668	347	184	---	---	---	1949
1950	---	---	---	---	575	899	909	562	339	166	---	---	---	1950
1951	---	---	---	---	1 100	689	973	640	372	221	152	99.2	---	1951
1952	74.6	74.3	72.5	510	429	1 170	1 060	603	370	252	145	64.8	402	1952
1953	59.8	68.8	81.2	195	1 485	1 150	923	1 010	707	283	178	89.8	463	1953
1954	87.7	89.6	89.2	108	1 290	2 280	1 260	1 280	1 390	501	277	203	740	1954
1955	90.3	77.4	77.6	331	669	1 290	1 090	637	356	224	98.1	96.1	422	1955
1956	98.5	88.1	81.3	534	688	1 160	747	651	391	248	108	67.2	405	1956
1957	56.2	66.3	90.9	241	794	678	665	727	492	367	308	174	390	1957
1958	137	131	126	514	746	840	937	438	322	214	106	88.9	385	1958
1959	67.7	66.2	79.8	185	389	922	861	466	475	308	124	120	340	1959
1960	78.9	67.8	72.9	219	520	962	1 240	530	309	222	140	80.1	371	1960
1961	75.5	69.7	81.3	186	407	827	769	571	289	299	177	103	323	1961
1962	94.4	76.0	66.0	495	959	1 020	955	704	467	271	179	110	452	1962
1963	105	99.1	101	623	927	896	744	531	412	260	122	120	413	1963
1964	86.3	85.5	70.0	134	607	987	918	783	678	560	243	164	444	1964
1965	136	115	123	419	1 100	1 530	2 010	933	782	512	271	164	679	1965
1966	125	123	94.1	214	850	909	986	957	631	326	208	172	469	1966
1967	126	99.7	96.7	214	697	1 180	748	550	363	248	136	79.2	379	1967
1968	60.4	69.4	94.4	130	380	762	849	686	419	245	121	70.9	325	1968
1969	56.9	58.9	64.1	395	478	656	709	999	524	360	180	128	386	1969
1970	89.1	78.4	80.5	360	516	879	818	493	292	210	129	86.8	337	1970
1971	72.6	73.5	77.2	441	662	1 540	2 130	792	454	375	200	126	582	1971
1972	104	89.3	101	371	1 060	1 640	1 130	729	469	443	231	125	542	1972
1973	134	133	116	377	867	1 080	784	637	360	339	159	134	429	1973
1974	110	113	104	973	1 550	1 010	1 180	665	484	323	199	124	572	1974
1975	109	102	105	235	529	673	1 110	537	452	253	202	129	372	1975
1976	125	120	97.3	426	483	599	869	1 030	642	340	174	96.8	420	1976
1977	119	137	129	361	1 080	1 360	1 110	887	737	476	228	149	567	1977
1978	122	104	134	369	696	1 250	1 160	679	997	511	209	141	533	1978
1979	107	96.3	152	324	857	1 110	1 340	659	389	271	160	96.4	467	1979
1980	105	92.3	108	410	490	1 720	1 040	649	580	398	225	142	496	1980
1981	135	110	143	352	596	796	693	670	348	187	149	67.4	355	1981
1982	63.4	67.0	68.9	225	755	871	1 730	896	605	435	222	255	520	1982
1983	117	85.7	88.1	231	308	729	1 290	655	339	236	233	124	372	1983
1984	117	124	116	254	436	955	791	508	595	445	281	178	400	1984
1985	118	93.8	124	411	599	767	707	506	582	397	168	101	382	1985
1986	106	100	133	364	649	1 080	1 590	748	419	493	217	147	507	1986
1987	117	114	115	304	414	671	499	861	378	203	129	73.6	324	1987
1988	61.0	59.7	81.1	184	300	737	895	512	325	224	123	85.2	300	1988
1989	86.6	72.3	75.5	178	574	846	1 190	1 460	713	362	217	132	496	1989
1990	124	106	140	361	554	1 540	1 350	609	428	247	165	117	480	1990
MEAN	96.1	89.8	96.8	319	675	1 030	994	693	485	312	184	118	433	MEAN

LOCATION - LAT 54 43 20 N LONG 113 17 10 W

DRAINAGE AREA, 74 600 km²
NATURAL FLOW

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	1 670 ON JUL 06	---	---	1913
1914	---	3 090 ON JUN 10	76.5B ON DEC 26	13 400 000	1914
1915	---	2 760 ON JUN 30	81.0B ON FEB 22	14 700 000	1915
1916	---	2 080 ON JUL 07	63.4B ON FEB 02	11 900 000	1916
1917	---	2 490 ON MAY 24	56.6B ON FEB 20	13 400 000	1917
1918	---	1 470 ON JUN 18	70.8B ON DEC 31	11 300 000	1918
1919	---	1 030 ON JUN 26	51.5B ON MAR 06	9 420 000	1919
1920	---	2 500 ON MAY 11	70.2B ON MAR 16	16 700 000	1920
1921	---	1 480 ON JUN 11	71.4B ON DEC 29	13 600 000	1921
1922	940 AT 09:00 MST ON JUN 08	923 ON JUN 08	52.1B ON DEC 08	9 510 000	1922
1923	1 910 AT 08:00 MST ON JUN 17	1 870 ON JUN 17	47.0B ON FEB 13	12 500 000	1923
1924	1 580 AT 08:00 MST ON SEP 01	1 550 ON SEP 01	47.9B ON DEC 25	13 100 000	1924
1925	---	1 900 ON AUG 19	47.9B ON FEB 07	15 400 000	1925
1926	---	1 470 ON SEP 05	103 B ON DEC 28	12 400 000	1926
1927	---	2 230 ON JUN 27	97.7B ON DEC 31	15 700 000	1927
1928	2 240 AT 19:00 MST ON JUN 19	2 200 ON JUN 19	95.4B ON JAN 26	14 600 000	1928
1929	---	1 150 ON JUN 13	69.7B ON DEC 21	10 900 000	1929
1930	---	1 780 ON JUN 15	55.5B ON JAN 21	13 300 000	1930
1931	---	---	---	---	1931
1938	---	1 060 ON JUN 18	---	---	1938
1939	---	1 250 ON JUL 20	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	---	1 700 ON JUL 21	---	---	1942
1943	---	2 080 ON JUN 27	---	---	1943
1944	5 040 AT 16:30 MST ON JUN 18	4 810 ON JUN 18	---	---	1944
1945	---	951 ON JUN 03	---	---	1945
1946	---	1 630 ON JUN 01	---	---	1946
1947	2 080 AT 23:00 MST ON AUG 01	2 000 ON AUG 01	---	---	1947
1948	---	3 650 ON MAY 17	---	---	1948
1949	---	1 030 ON JUL 24	---	---	1949
1950	1 630 AT 14:00 MST ON JUN 18	1 570 ON JUN 18	---	---	1950
1951	---	1 800 ON MAY 08	---	---	1951
1952	2 450 AT 10:30 MST ON JUN 26	2 430 ON JUN 26	42.8B ON DEC 09	12 700 000	1952
1953	---	1 830 ON AUG 29	42.2B ON JAN 18 *	14 600 000	1953
1954	5 660 AT 14:30 MST ON JUN 10 *	5 440 ON JUN 10 *	65.1B ON JAN 30	23 300 000	1954
1955	2 350 AT 17:00 MST ON JUN 03	2 230 ON JUN 04	55.5B ON MAR 04	13 300 000	1955
1956	1 810 AT 20:15 MST ON JUN 08	1 720 ON JUN 09	45.6B ON DEC 14	12 800 000	1956
1957	1 170 AT 17:00 MST ON AUG 14	1 160 ON AUG 14	49.8B ON JAN 16	12 300 000	1957
1958	2 400 AT 23:00 MST ON JUL 01	2 270 ON JUL 02	61.7B ON NOV 18	12 100 000	1958
1959	1 760 AT 09:00 MST ON JUN 30	1 720 ON JUN 30	61.4B ON JAN 13	10 700 000	1959
1960	2 890 AT 20:00 MST ON JUN 28	2 810 ON JUN 28	58.3B ON MAR 10	11 700 000	1960
1961	1 150 AT 20:00 MST ON JUL 03	1 090 ON JUL 03	62.0B ON FEB 07	10 200 000	1961
1962	1 640 AT 21:00 MST ON MAY 22	1 550 ON MAY 22	62.6B ON MAR 11	14 200 000	1962
1963	1 610 AT 03:00 MST ON APR 29	1 590 ON APR 29	81.0B ON NOV 20	13 000 000	1963
1964	1 630 AT 07:00 MST ON JUN 22	1 600 ON JUN 22	64.6B ON MAR 31	14 000 000	1964
1965	3 680 AT 20:00 MST ON JUN 30	3 510 ON JUN 30	98.8B ON APR 03	21 400 000	1965
1966	1 790 AT 13:00 MST ON AUG 31	1 740 ON AUG 31	77.9B ON MAR 29	14 800 000	1966
1967	1 660 AT 09:00 MST ON JUN 21	1 630 ON JUN 21	59.5B ON DEC 31	12 000 000	1967
1968	1 290 AT 20:55 MST ON JUN 15	1 290 ON JUN 15	51.0B ON JAN 01	10 300 000	1968
1969	3 110 AT 16:47 MST ON AUG 09	3 000 ON AUG 09	55.2B ON JAN 15	12 200 000	1969
1970	1 630 AT 15:54 MST ON JUN 19	1 530 ON JUN 19	62.3B ON NOV 23	10 600 000	1970
1971	4 560A AT 08:00 MST ON JUL 14	4 470A ON JUL 14	69.4B ON JAN 27	18 400 000	1971
1972	3 540 AT 21:30 MST ON JUN 28	3 370 ON JUN 28	86.1B ON FEB 23	17 100 000	1972
1973	1 890A AT 02:30 MST ON JUN 28	1 840A ON JUN 28	110 B ON MAR 13	13 500 000	1973
1974	2 550 AT 02:40 MST ON APR 28	2 520 ON APR 28	92.6 ON NOV 25	18 000 000	1974
1975	1 850 AT 19:30 MST ON JUN 30	1 790 ON JUN 30	96.0B ON FEB 12	11 700 000	1975
1976	1 660 AT 08:30 MST ON AUG 20	1 630 ON AUG 20	87.6B ON MAR 18	13 300 000	1976
1977	2 380 AT 12:45 MST ON JUN 01	2 340 ON JUN 01	85.0B ON NOV 22	17 900 000	1977
1978	2 350 AT 05:00 MST ON JUL 15	2 290 ON JUL 15	94.0B ON FEB 08	16 800 000	1978
1979	2 320 AT 00:00 MST ON JUL 15	2 230 ON JUL 15	81.5B ON DEC 20	14 700 000	1979
1980	4 330 AT 15:45 MST ON JUN 08	4 190 ON JUN 08	85.3B ON DEC 11	15 700 000	1980
1981	1 270 AT 13:05 MST ON JUN 03	1 240 ON JUN 03	55.6B ON DEC 17	11 200 000	1981
1982	3 490 AT 12:36 MST ON JUL 08	3 420 ON JUL 08	58.0B ON JAN 10	16 400 000	1982
1983	1 590 AT 08:21 MST ON JUN 28	1 550 ON JUN 28	84.0B ON FEB 13	11 700 000	1983
1984	1 410 AT 08:38 MST ON JUL 03	1 390 ON JUL 03	70.7 ON NOV 02	12 700 000	1984
1985	1 520 AT 23:33 MST ON JUN 26	1 450 ON JUN 27	90.0B ON FEB 05	12 100 000	1985
1986	4 530 AT 18:09 MST ON JUL 21	4 400A ON JUL 21	100 B ON FEB 04	16 000 000	1986
1987	2 150 AT 04:17 MST ON AUG 05	2 040 ON AUG 05	59.5B ON DEC 31	10 200 000	1987
1988	1 620 AT 06:10 MST ON JUL 10	1 580 ON JUL 09	55.0B ON FEB 10	9 480 000	1988
1989	2 390 AT 18:03 MST ON AUG 20	2 320 ON AUG 20	54.8B ON FEB 03	15 600 000	1989
1990	2 790 AT 01:50 MST ON JUL 10	2 690 ON JUL 10	81.8B ON DEC 02	15 100 000	1990
				13 700 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	1 200	1 700	2 790	1 180	654	536	325	199	---	1971
1972	143	134	212	450	1 970	1 770	1 630	928	550	576	401	197	749	1972
1973	237	200	181	551	1 230	2 060	1 500	1 360	813	790	470	322	813	1973
1974	269	240	220	---	---	---	---	1 110	826	584	378	257	---	1974
1975	229	198	216	436	1 230	1 150	2 060	1 130	1 310	737	431	275	788	1975
1976	243	219	182	1 050	807	823	1 380	1 360	1 380	795	---	---	---	1976
1977	---	---	---	719	1 420	1 880	1 550	1 190	1 000	793	391	---	---	1977
1978	---	---	---	497	1 240	1 640	1 390	998	1 760	1 210	590	---	---	1978
1979	---	---	---	---	---	1 780	1 800	1 070	884	663	---	---	---	1979
1980	---	---	---	---	711	1 770	1 340	1 290	1 100	859	---	---	---	1980
1981	---	---	---	---	626	1 170	948	904	530	376	---	---	---	1981
1982	---	---	---	---	1 270	1 100	1 960	1 180	876	679	---	---	---	1982
1983	---	---	---	---	721	869	1 730	1 220	663	529	---	---	---	1983
1984	---	---	---	---	940	1 800	1 270	845	855	818	---	---	---	1984
MEAN	224	198	202	617	1 110	1 500	1 640	1 130	943	710	427	250	783	MEAN

LOCATION - LAT 58 12 18 N LONG 111 23 24 W DRAINAGE AREA, 155 000 km²
NATURAL FLOW

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	4 220 AT 21:00 MST ON JUL 17 *	4 190 ON JUL 17 *	---	---	1971
1972	---	3 260 ON JUL 02	123B ON FEB 05 *	23 700 000	1972
1973	2 710 AT 18:00 MST ON JUN 21	2 690 ON JUN 21	170B ON FEB 27	25 600 000	1973
1974	---	---	---	---	1974
1975	2 730 AT 24:00 MST ON JUL 03	2 700 ON JUL 04	195B ON FEB 10	24 900 000	1975
1976	---	2 150B ON APR 20	---	---	1976
1977	2 890 AT 02:15 MST ON JUN 05	2 860 ON JUN 05	---	---	1977
1978	2 360 AT 02:14 MST ON SEP 22	2 360 ON SEP 22	---	---	1978
1979	2 720 AT 19:15 MST ON JUL 17	2 610 ON JUL 17	---	---	1979
1980	---	3 900E ON JUN 11	---	---	1980
1981	---	1 500E ON JUN 09	---	---	1981
1982	3 250 AT 15:20 MST ON JUL 11	3 210 ON JUL 11	---	---	1982
1983	2 350 AT 18:30 MST ON AUG 01	2 310 ON AUG 01	---	---	1983
1984	2 310 AT 13:12 MST ON JUN 14	2 290R ON JUN 14	---	---	1984
				24 700 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

ATHABASCA RIVER AT ENTRANCE - STATION NO. 07AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	201	454	566	505	201	89.7	68.2	33.2	---	1915
1916	24.4	25.7	31.0	42.7	104	526	620	425	272	147	67.1	38.7	194	1916
1917	35.0	27.9	29.1	36.5	172	454	653	337	251	199	64.7	55.0	194	1917
1918	48.6	37.3	48.4	61.1	161	681	657	421	266	111	50.5	30.0	215	1918
1919	30.0	29.5	32.8	39.6	151	379	467	418	302	114	52.9	35.0	172	1919
1920	26.5	30.1	27.9	34.0	90.2	358	883	529	215	138	52.9	38.8	203	1920
1921	36.5	44.0	34.2	50.3	193	525	446	382	178	122	89.7	---	---	1921
1922	---	---	---	---	---	489	447	417	239	100	54.0	---	---	1922
1923	---	---	---	---	126	522	488	430	277	113	62.7	42.1	---	1923
1924	27.5	28.3	34.6	35.4	234	467	554	440	337	141	50.6	26.1	199	1924
1925	22.3	26.0	36.2	94.2	311	549	524	505	310	120	58.5	52.1	219	1925
1926	30.8	32.9	40.8	91.9	202	357	475	319	259	129	64.2	32.8	170	1926
1927	26.3	27.2	35.3	43.4	86.8	528	512	405	254	150	44.4	28.4	179	1927
1928	40.3	28.9	43.4	45.9	307	577	601	373	218	85.3	48.3	29.8	201	1928
1929	29.3	26.2	32.8	38.5	135	564	397	341	202	119	64.8	41.8	167	1929
1930	27.4	27.1	29.7	61.7	164	580	592	427	272	98.9	59.8	36.8	199	1930
1931	37.7	27.6	31.4	35.1	198	499	542	317	237	134	57.4	26.5	179	1931
1932	23.9	28.5	25.8	60.0	172	615	437	411	200	82.1	38.1	24.5	177	1932
1933	21.7	19.8	20.8	36.7	148	532	568	459	326	154	100	61.8	205	1933
1934	26.7	22.5	31.9	141	372	504	462	346	184	149	76.6	40.8	198	1934
1935	35.6	46.4	34.3	59.2	127	505	691	381	274	93.2	46.1	43.7	196	1935
1936	28.1	11.6	14.7	72.7	274	536	364	331	156	137	69.9	43.3	170	1936
1937	18.3	13.1	31.2	22.6	150	433	517	322	275	75.4	54.1	47.3	160	1937
1938	38.0	24.0	18.5	30.5	206	663	559	303	278	117	63.7	57.5	197	1938
1939	30.5	19.3	47.8	38.8	256	347	471	358	200	124	67.9	55.3	169	1939
1955	---	---	---	---	114	589	605	336	194	83.1	37.6	34.0	---	1955
1956	32.5	29.1	28.5	57.0	242	550	450	317	199	117	57.0	39.4	177	1956
1957	27.1	35.8	34.6	35.7	169	429	355	256	216	105	64.8	31.7	164	1957
1958	31.8	28.7	27.0	39.9	304	553	431	317	201	115	54.9	36.2	179	1958
1959	30.0	21.6	34.6	41.6	180	587	555	334	274	126	54.8	35.4	192	1959
1960	30.1	39.9	34.9	39.3	121	481	694	370	212	130	62.0	50.9	190	1960
1961	23.4	19.7	26.9	31.2	217	595	422	350	185	---	---	---	---	1961
MEAN	30.3	27.8	32.1	50.6	197	513	531	381	238	120	59.9	40.1	187	MEAN

LOCATION - LAT 53 22 37 N LONG 117 41 42 W DRAINAGE AREA, 9 530 km²
NATURAL FLOW

ATHABASCA RIVER AT ENTRANCE - STATION NO. 07AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	1 140 ON JUN 28	---	---	1915
1916	---	1 150 ON JUN 21	21.5 B ON JAN 01	6 140 000	1916
1917	---	940 ON JUL 04	22.9 B ON FEB 22	6 120 000	1917
1918	---	991 ON JUN 15	26.9 B ON FEB 16	6 790 000	1918
1919	---	790 ON JUN 23	26.1 B ON JAN 18	5 420 000	1919
1920	---	994 ON JUL 10	19.8 B ON APR 16	6 430 000	1920
1921	---	784 ON JUN 09	25.5 B ON JAN 16	---	1921
1922	---	776 ON JUN 05	---	---	1922
1923	---	867 ON JUN 14	---	---	1923
1924	---	906 ON JUL 05	21.0 B ON DEC 23	6 280 000	1924
1925	---	784 ON JUL 01	21.2 B ON JAN 01	6 890 000	1925
1926	---	691 ON JUL 08	26.9 B ON APR 04	5 380 000	1926
1927	---	722 ON JUN 11	20.6 B ON DEC 30	5 650 000	1927
1928	---	920 ON MAY 28	20.6 B ON JAN 01	6 340 000	1928
1929	---	881 ON JUN 10	20.2 B ON JAN 31	5 250 000	1929
1930	---	991 ON JUN 12	17.4 B ON DEC 22	6 270 000	1930
1931	---	917 ON JUN 20	17.4 B ON FEB 24	5 660 000	1931
1932	---	983 ON JUN 16	21.0 B ON JAN 01	5 590 000	1932
1933	---	1 170 ON JUN 17	18.2 B ON FEB 04	6 470 000	1933
1934	---	977 ON MAY 31	19.1 B ON MAR 08	6 230 000	1934
1935	---	988 ON JUL 03	18.7 B ON JAN 17	6 170 000	1935
1936	---	1 270 ON JUN 02 *	8.55B ON FEB 28	5 380 000	1936
1937	---	742 ON JUL 01	7.08 ON APR 26 *	5 040 000	1937
1938	---	1 070 ON JUN 25	17.0 B ON MAR 26	6 220 000	1938
1939	---	685 ON JUL 02	16.1 B ON JAN 31	5 340 000	1939
1955	---	1 090 ON JUN 14	---	---	1955
1956	---	799 ON JUN 06	17.4 B ON MAR 30	5 600 000	1956
1957	---	623 ON MAY 21	19.1 B ON JAN 11	5 180 000	1957
1958	---	776 ON MAY 31	17.3 B ON FEB 01	5 650 000	1958
1959	---	966 ON JUN 23	15.1 B ON JAN 24	6 050 000	1959
1960	---	1 030 ON JUL 02	26.0 B ON MAR 15	6 010 000	1960
1961	---	892 ON JUN 08	12.2 B ON JAN 15	---	1961
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 910 000	MEAN

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	31.9	215	574	402	338	171	172	61.3	31.4	---	1961
1962	22.5	18.7	19.0	57.8	154	465	463	350	200	95.9	63.3	40.5	163	1962
1963	68.3	46.6	16.9	51.2	156	493	464	329	233	117	56.5	41.0	173	1963
1964	30.4	30.7	24.3	36.9	96.2	603	497	283	216	161	74.3	40.3	174	1964
1965	28.0	28.8	31.9	49.2	147	573	628	445	243	167	98.6	100	213	1965
1966	33.7	32.4	21.7	49.1	238	435	553	413	238	146	66.4	46.8	191	1966
1967	46.8	42.7	36.6	47.6	124	670	524	382	257	120	60.7	48.5	197	1967
1968	43.6	36.6	41.9	34.5	164	498	620	386	255	106	54.4	36.6	190	1968
1969	35.1	32.2	35.1	50.6	212	507	385	448	196	101	62.9	38.4	176	1969
1970	30.6	33.8	26.8	31.1	110	521	382	286	132	69.6	34.4	30.1	141	1970
1971	24.1	31.4	27.7	40.6	213	581	497	393	215	116	48.6	29.7	186	1971
1972	33.5	30.0	41.4	36.7	218	752	459	353	199	118	52.5	35.9	194	1972
1973	32.7	32.9	35.2	38.2	201	457	384	310	153	100	46.3	45.4	154	1973
1974	36.5	31.5	30.0	48.6	123	565	532	370	234	131	62.1	52.7	186	1974
1975	34.2	29.6	32.6	38.0	101	347	511	278	157	90.5	80.4	42.9	146	1975
1976	30.8	32.2	29.5	43.9	207	321	513	469	264	119	49.3	38.8	177	1976
1977	34.5	33.1	30.3	42.4	166	466	417	365	208	92.6	39.8	39.8	162	1977
1978	33.8	31.5	34.9	43.7	138	515	558	324	359	166	62.1	44.5	193	1978
1979	34.7	32.5	33.6	35.4	121	417	440	300	185	95.7	35.4	25.0	147	1979
1980	22.5	26.1	27.6	57.5	266	526	352	269	182	134	55.8	48.4	164	1980
1981	39.3	26.0	32.4	38.7	235	308	416	370	205	79.4	55.7	24.1	154	1981
1982	30.6	27.5	27.7	36.7	108	584	589	350	281	145	59.9	47.8	191	1982
1983	42.1	33.5	34.5	39.7	138	374	374	286	158	93.1	75.0	34.8	141	1983
1984	43.1	31.4	33.2	42.0	66.4	489	461	341	267	147	66.5	45.7	170	1984
1985	39.1	25.0	29.6	39.9	205	360	415	294	187	94.8	48.8	42.0	149	1985
1986	37.5	29.1	37.0	37.9	135	620	505	325	193	116	67.3	45.2	184	1986
1987	44.7	32.6	28.2	38.9	222	462	359	370	187	88.8	55.7	33.6	161	1987
1988	23.8	28.1	28.9	57.7	191	404	316	316	176	109	60.1	35.8	146	1988
1989	27.2	25.9	24.0	40.9	165	499	429	462	220	118	69.1	43.1	178	1989
1990	42.2	36.6	36.1	51.1	189	638	607	384	232	111	65.7	48.2	204	1990
MEAN	35.4	31.3	30.6	43.0	169	501	468	353	213	117	59.4	41.9	173	MEAN

LOCATION - LAT 53 24 39 N LONG 117 35 11 W DRAINAGE AREA, 9 780 km^2 NATURAL FLOW

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	818 AT 23:30 MST ON JUN 08	804 ON JUN 08	---	---	1961
1962	---	765A ON JUN 27	11.0B ON MAR 02	5 150 000	1962
1963	731 AT 14:00 MST ON JUN 20	719 ON JUN 20	10.8B ON MAR 14 *	5 470 000	1963
1964	850 AT 07:00 MST ON JUN 14	844 ON JUN 14	15.0B ON MAR 23	5 520 000	1964
1965	915 AT 17:00 MST ON JUL 09	900 ON JUL 09	15.7B ON DEC 28	6 710 000	1965
1966	779 AT 18:00 MST ON JUL 05	765 ON JUL 05	17.2B ON MAR 03	6 010 000	1966
1967	864 AT 17:00 MST ON JUN 18	855 ON JUN 18	24.4B ON NOV 28	6 220 000	1967
1968	1 040 AT 13:32 MST ON JUN 28	1 000 ON JUN 28	27.5B ON APR 03	6 020 000	1968
1969	1 060 AT 16:43 MST ON AUG 06	997 ON AUG 06	31.1B ON FEB 18	5 560 000	1969
1970	787 AT 14:30 MST ON JUN 17	776 ON JUN 17	19.8B ON NOV 26	4 450 000	1970
1971	934 AT 20:00 MST ON JUN 09	895 ON JUN 09	21.5B ON JAN 16	5 850 000	1971
1972	1 270 AT 02:30 MST ON JUN 13 *	1 200 ON JUN 12 *	27.8B ON JAN 01	6 140 000	1972
1973	994 AT 16:20 MST ON JUN 25	963 ON JUN 25	29.7 ON APR 08	4 850 000	1973
1974	1 080 AT 16:50 MST ON JUN 25	1 070 ON JUN 25	26.9B ON MAR 07	5 850 000	1974
1975	742 AT 09:30 MST ON JUL 08	736 ON JUL 08	28.3B ON FEB 25	4 610 000	1975
1976	646 AT 10:20 MST ON AUG 05	640 ON AUG 05	21.0B ON DEC 06	5 610 000	1976
1977	821 AT 08:30 MST ON JUN 09	770 ON JUN 09	19.3B ON NOV 21	5 110 000	1977
1978	971 AT 18:20 MST ON JUL 12	943 ON JUL 12	25.0B ON MAR 03	6 100 000	1978
1979	669 AT 06:00 MST ON JUN 06	659 ON JUN 06	17.5B ON DEC 16	4 640 000	1979
1980	795 AT 11:15 MST ON JUN 18	776 ON JUN 18	18.6B ON FEB 15	5 190 000	1980
1981	635 AT 16:10 MST ON MAY 27	619 ON MAY 27	17.0B ON DEC 15	4 840 000	1981
1982	1 020 AT 18:45 MST ON JUL 05	1 000 ON JUL 05	22.5B ON JAN 01	6 040 000	1982
1983	581 AT 03:55 MST ON JUN 01	569 ON JUN 01	25.0B ON DEC 16	4 440 000	1983
1984	1 090 AT 19:50 MST ON JUN 30	1 050 ON JUN 30	20.0B ON MAR 13	5 360 000	1984
1985	622 AT 12:45 MST ON JUL 01	611 ON JUL 01	18.2B ON FEB 21	4 710 000	1985
1986	1 090 AT 17:18 MST ON MAY 31	1 090 ON JUN 01	17.1B ON FEB 16	5 810 000	1986
1987	757 AT 16:59 MST ON JUN 14	733 ON JUN 14	25.0B ON MAR 01	5 080 000	1987
1988	664 AT 13:07 MST ON JUN 09	646 ON JUN 09	23.2B ON JAN 14	4 610 000	1988
1989	849 AT 09:40 MST ON AUG 18	817A ON AUG 18	19.4B ON JAN 24	5 610 000	1989
1990	993 AT 02:35 MST ON JUL 08	967 ON JUL 08	25.0B ON JAN 31	6 440 000	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 450 000	MEAN

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	---	532	438	287	---	1957
1958	215	179	182	1 030	1 170	1 070	1 090	578	489	400	233	151	567	1958
1959	124	111	124	---	665	1 250	1 130	653	818	622	297	236	---	1959
1960	172	156	146	475	1 060	1 530	1 880	1 060	1 110	655	439	224	745	1960
1961	209	180	184	366	850	1 120	1 180	783	435	400	266	152	513	1961
1962	142	122	121	521	1 630	1 800	1 690	1 050	740	509	370	244	749	1962
1963	200	192	189	808	1 480	1 190	913	692	588	457	289	---	---	1963
1964	---	---	125	213	956	1 140	1 050	995	835	864	361	175	---	1964
1965	207	174	182	414	1 620	1 760	2 290	1 160	1 200	854	421	271	884	1965
1966	214	208	206	389	1 170	1 480	1 230	1 190	1 030	572	349	247	698	1966
1967	216	188	156	320	1 150	1 460	1 080	859	531	371	245	135	578	1967
1968	116	121	161	285	551	965	1 090	882	654	513	308	161	485	1968
1969	147	122	118	---	1 020	993	920	1 150	836	743	---	---	---	1969
1970	148	151	152	590	909	1 210	1 890	919	712	565	284	178	646	1970
1971	154	145	144	690	1 070	1 750	2 740	1 100	647	553	286	178	792	1971
1972	195	172	195	528	1 710	1 860	1 470	914	603	588	332	185	731	1972
1973	191	171	171	445	1 120	1 890	1 340	1 220	785	790	447	293	741	1973
1974	239	213	189	937	2 080	1 520	1 790	1 060	824	641	337	268	846	1974
1975	213	188	204	383	985	976	1 730	1 020	1 070	673	449	254	683	1975
1976	224	194	180	851	706	825	1 310	1 380	1 230	705	331	194	679	1976
1977	209	208	224	750	1 380	1 710	1 390	1 090	918	731	347	221	768	1977
1978	225	190	198	555	1 120	1 590	1 340	935	1 510	859	450	277	773	1978
1979	214	168	173	393	1 560	1 720	1 790	954	804	581	360	225	749	1979
1980	242	205	206	614	688	1 810	1 260	1 210	990	727	463	196	718	1980
1981	196	190	220	505	734	1 010	883	815	482	342	277	107	481	1981
1982	109	109	107	292	1 150	981	1 990	1 050	790	609	340	233	651	1982
1983	170	157	162	418	545	883	1 660	1 080	616	484	490	212	576	1983
1984	178	187	189	471	691	1 490	1 120	722	812	723	365	233	599	1984
1985	192	173	175	584	1 330	1 020	936	656	724	616	357	202	583	1985
1986	174	167	205	554	1 020	1 310	1 890	1 130	652	737	374	203	706	1986
1987	172	168	175	682	852	1 070	749	1 080	555	329	211	148	518	1987
1988	101	105	132	306	487	1 010	1 420	744	544	388	231	169	472	1988
1989	136	130	135	225	909	1 190	1 620	1 740	978	626	384	228	696	1989
1990	220	174	212	666	1 250	2 050	1 630	796	623	470	284	205	717	1990
MEAN	183	166	171	525	1 090	1 350	1 440	990	792	595	346	209	667	MEAN

LOCATION - LAT 56 46 50 N LONG 111 24 00 W DRAINAGE AREA, 133 000 km² NATURAL FLOW

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	2 440 AT 15:00 MST ON JUL 03	2 380 ON JUL 03	131 B ON NOV 30	17 900 000	1958
1959	2 030 AT 03:00 MST ON JUL 02	2 000 ON JUN 26	107 B ON FEB 17	---	1959
1960	4 280 AT 05:00 MST ON JUN 30	4 160 ON JUN 30	138 B ON MAR 12	23 600 000	1960
1961	---	1 840 ON JUL 05	130 B ON DEC 30	16 200 000	1961
1962	2 110 AT 14:00 MST ON JUL 23	2 090 ON JUL 23	118 B ON FEB 06	23 600 000	1962
1963	---	2 330E ON MAY 01	---	---	1963
1964	---	1 630 ON JUN 24	---	---	1964
1965	3 910 AT 13:00 MST ON JUL 02	3 850 ON JUL 02	164 B ON APR 07	27 900 000	1965
1966	2 060 AT 07:30 MST ON SEP 02	2 000 ON SEP 02	179 B ON JAN 03	22 000 000	1966
1967	1 830 AT 18:00 MST ON JUN 22	1 800 ON JUN 23	118 B ON DEC 31	18 200 000	1967
1968	1 500 AT 19:00 MST ON JUN 16	1 480 ON JUN 17	108 B ON JAN 05	15 300 000	1968
1969	2 970 AT 01:35 MST ON AUG 11	2 780 ON AUG 11	108 B ON MAR 28	---	1969
1970	3 910 AT 02:00 MST ON JUL 03	3 850 ON JUL 03	104 B ON NOV 26	20 400 000	1970
1971	4 790 AT 17:00 MST ON JUL 15 *	4 700 ON JUL 15 *	138 B ON MAR 14	25 000 000	1971
1972	3 680 AT 08:00 MST ON JUN 30	3 620 ON JUN 30	147 B ON NOV 28	23 100 000	1972
1973	2 550 AT 17:00 MST ON JUN 29	2 510 ON JUN 29	159 B ON FEB 26	21 400 000	1973
1974	3 030 AT 03:30 MST ON JUL 17	2 970 ON JUL 17	173 B ON DEC 03	26 700 000	1974
1975	2 470 AT 15:00 MST ON JUL 02	2 460 ON JUL 02	187 B ON JAN 28	21 500 000	1975
1976	2 090 AT 10:00 MST ON AUG 31	2 080 ON AUG 31	130 B ON NOV 28	21 500 000	1976
1977	2 860 AT 01:24 MST ON JUN 03	2 800 ON JUN 03	144 B ON NOV 28	24 200 000	1977
1978	2 510 AT 17:55 MST ON JUL 16	2 390 ON JUL 16	182 B ON FEB 22	24 400 000	1978
1979	2 930 AT 15:50 MST ON JUL 16	2 900 ON JUL 16	147 B ON DEC 04	23 600 000	1979
1980	4 170 AT 23:40 MST ON JUN 09	3 930 ON JUN 09	152 B ON DEC 18	22 700 000	1980
1981	1 430 AT 14:20 MST ON JUN 05	1 410 ON JUN 05	92.0B ON DEC 18	15 200 000	1981
1982	3 610 AT 20:09 MST ON JUL 09	3 490 ON JUL 09	95.0B ON JAN 11	20 500 000	1982
1983	2 310 AT 04:28 MST ON JUL 31	2 290 ON JUL 31	146 B ON FEB 20	18 200 000	1983
1984	1 950 AT 06:11 MST ON JUN 12	1 940 ON JUN 12	167 B ON JAN 01	18 900 000	1984
1985	1 940 AT 18:44 MST ON MAY 07	1 920 ON MAY 07	164 B ON MAR 12	18 400 000	1985
1986	4 660 AT 00:48 MST ON JUL 23	4 440 ON JUL 22	166 B ON FEB 26	22 300 000	1986
1987	2 240 AT 20:58 MST ON AUG 06	2 090 ON AUG 07	104 B ON DEC 31	16 300 000	1987
1988	2 200 AT 14:41 MST ON JUL 11	2 190 ON JUL 11	88.6B ON JAN 18 *	14 900 000	1988
1989	2 740 AT 13:51 MST ON AUG 08	2 720 ON AUG 08	128 B ON FEB 07	22 000 000	1989
1990	3 310 AT 19:36 MST ON JUN 17	3 250 ON JUN 17	155 B ON DEC 31	22 600 000	1990
				21 100 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	116	49.5	26.3	15.6	---	1913
1914	13.5	9.13	9.45	16.3	67.4	233	322	184	90.4	53.7	24.3	15.3	87.2	1914
1915	15.2	13.1	12.0	21.3	112	225	285	341	97.1	45.1	23.8	20.3	102	1915
1916	7.81	12.7	12.9	21.0	44.5	251	295	208	128	61.6	30.3	17.1	91.1	1916
1917	12.2	11.2	8.00	9.66	69.7	199	297	175	105	75.9	32.7	24.9	85.6	1917
1918	20.9	11.3	10.4	18.8	77.5	315	277	169	131	69.2	22.7	16.8	95.4	1918
1919	13.0	9.77	10.3	16.1	76.3	195	255	231	113	36.2	29.1	18.2	84.1	1919
1920	10.3	9.74	9.07	11.8	40.5	191	390	232	117	62.2	26.6	14.6	93.4	1920
1921	12.2	11.0	9.48	19.9	75.5	260	270	213	91.8	47.2	31.1	29.7	89.8	1921
1922	16.4	11.4	8.22	13.0	67.7	282	270	255	156	54.1	---	---	---	1922
1923	---	---	---	---	65.8	273	272	232	135	52.6	23.9	14.8	---	1923
1924	8.75	10.5	9.96	11.2	116	198	263	226	150	63.7	31.8	12.8	92.3	1924
1925	---	9.25	13.4	19.2	155	266	304	244	141	42.7	21.8	17.9	---	1925
1926	9.85	10.4	13.4	39.3	81.4	157	269	174	102	41.8	21.5	12.7	78.2	1926
1927	9.19	7.51	8.41	15.9	48.5	215	234	204	119	69.8	22.9	8.74	80.7	1927
1928	13.8	9.51	6.66	9.17	174	277	331	219	102	37.0	21.4	14.1	102	1928
1929	8.54	6.47	7.94	11.2	62.1	292	219	222	107	54.5	20.8	11.9	85.7	1929
1930	6.84	8.96	8.55	23.0	77.8	266	307	243	124	42.8	21.0	14.3	95.8	1930
1931	10.2	8.16	8.69	10.8	81.8	262	---	---	---	---	---	---	---	1931
1970	---	---	---	---	47.0	277	230	177	62.3	31.7	13.0	10.8	---	1970
1971	8.89	12.8	9.65	14.7	105	248	222	225	104	49.3	23.9	15.0	87.0	1971
1972	12.9	13.0	12.0	11.3	110	374	229	223	97.9	46.9	22.0	14.2	97.4	1972
1973	14.7	12.5	9.66	13.4	89.6	223	201	208	91.7	44.0	17.3	15.6	78.7	1973
1974	12.1	12.4	9.97	19.5	53.2	300	286	202	113	61.7	25.1	17.8	93.1	1974
1975	13.4	12.5	10.8	11.9	45.9	183	311	156	83.0	46.4	40.0	18.6	78.3	1975
1976	14.2	12.1	11.1	17.0	107	169	299	270	142	54.6	24.9	19.0	95.5	1976
1977	13.2	10.5	9.37	17.2	63.1	223	206	203	96.1	39.5	23.3	15.1	77.1	1977
1978	12.6	11.9	9.73	15.5	62.1	273	316	186	193	71.7	28.3	20.4	101	1978
1979	13.2	11.0	11.8	12.4	53.9	216	254	187	110	45.7	12.8	12.5	78.8	1979
1980	12.6	11.1	9.33	39.7	153	211	197	152	88.7	60.3	22.4	30.7	82.6	1980
1981	17.2	10.8	12.0	13.9	121	154	249	240	115	35.0	26.7	14.1	84.7	1981
1982	11.8	10.9	9.29	10.3	45.4	304	294	195	143	51.8	21.7	17.1	93.2	1982
1983	12.7	9.36	10.6	12.8	66.4	209	212	190	87.1	46.6	34.0	16.7	76.1	1983
1984	13.9	10.5	10.0	15.7	28.2	254	254	210	122	51.8	37.9	16.9	85.6	1984
1985	13.1	10.7	9.77	12.0	102	176	235	156	78.6	36.1	14.5	11.7	71.8	1985
1986	10.6	9.59	11.0	13.8	98.4	321	251	194	91.2	46.1	25.0	16.0	91.1	1986
1987	11.8	9.60	10.4	13.9	111	250	224	179	107	41.8	21.2	11.0	83.0	1987
1988	11.0	10.3	10.3	24.5	92.7	219	177	190	103	57.0	28.1	16.3	78.5	1988
1989	11.1	9.79	11.8	15.4	73.5	254	240	237	88.2	48.1	28.7	18.4	86.9	1989
1990	13.5	11.7	11.4	21.4	93.0	278	321	232	108	47.5	32.8	19.9	99.8	1990
MEAN	12.3	10.6	10.2	16.6	82.4	243	265	210	112	50.6	25.1	16.5	87.8	MEAN

LOCATION - LAT 52 54 36 N LONG 118 03 25 W
DRAINAGE AREA, 3 880 km^2
NATURAL FLOW

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	462 ON JUL 04	6.88B ON FEB 28	2 750 000	1914
1915	---	555 ON JUN 27	11.4 B ON MAR 29	3 210 000	1915
1916	---	617 ON JUL 13	3.79B ON JAN 24	2 880 000	1916
1917	---	388 ON JUL 19	5.34 ON MAR 24	2 700 000	1917
1918	---	544 ON JUN 14	6.80B ON MAR 03	3 010 000	1918
1919	---	518 ON JUN 22	7.08B ON DEC 16	2 650 000	1919
1920	---	515 ON JUL 04	5.66B ON JAN 18	2 950 000	1920
1921	---	433 ON JUN 24	7.93B ON MAR 12	2 830 000	1921
1922	---	394 ON JUL 04	4.81B ON MAR 29	---	1922
1923	---	439 ON JUN 14	---	---	1923
1924	---	402 ON JUL 03	4.96B ON JAN 31	2 920 000	1924
1925	---	391 ON JUN 27	8.64B ON FEB 23	---	1925
1926	---	368 ON JUL 06	6.51B ON JAN 03	2 470 000	1926
1927	---	311 ON JUN 10	6.77B ON MAR 10	2 540 000	1927
1928	---	569 ON MAY 27	4.81B ON MAR 14	3 210 000	1928
1929	---	464 ON JUN 02	3.68B ON JAN 30 *	2 700 000	1929
1930	---	552 ON JUN 11	4.81B ON JAN 31	3 020 000	1930
1931	---	---	6.23 ON MAR 25	---	1931
1970	---	374 ON JUN 21	---	---	1970
1971	---	368 ON JUN 08	8.07B ON JAN 15	2 740 000	1971
1972	---	637 ON JUN 11	8.55 ON APR 03	3 080 000	1972
1973	---	436 ON JUN 25	8.44 ON MAR 19	2 480 000	1973
1974	---	612 ON JUN 23	8.21 ON MAR 18	2 940 000	1974
1975	---	425 ON JUL 12	9.20B ON MAR 30	2 470 000	1975
1976	---	371 ON JUL 09	9.20B ON MAR 02	3 020 000	1976
1977	374 AT 08:30 MST ON JUN 08	357 ON JUN 08	8.30B ON MAR 31	2 430 000	1977
1978	467 AT 19:45 MST ON SEP 04	419 ON SEP 05	7.70A ON MAR 21	3 170 000	1978
1979	390 AT 05:30 MST ON JUL 22	360 ON JUL 21	7.71A ON APR 06	2 490 000	1979
1980	383 AT 09:35 MST ON JUN 17	363 ON JUN 17	8.00B ON MAR 23	2 610 000	1980
1981	348 AT 12:25 MST ON MAY 26	333 ON MAY 26	9.00B ON JAN 30	2 670 000	1981
1982	490 AT 03:00 MST ON JUN 23	479 ON JUN 22	8.50E ON MAR 27	2 940 000	1982
1983	353 AT 21:35 MST ON JUL 12	319 ON JUL 13	7.80B ON FEB 10	2 400 000	1983
1984	722 AT 12:30 MST ON JUN 29 *	642A ON JUN 29 *	8.56B ON MAR 14	2 710 000	1984
1985	327 AT 12:05 MST ON JUN 30	303 ON JUN 30	8.50B ON DEC 01	2 260 000	1985
1986	638 AT 08:05 MST ON JUN 02	577 ON MAY 30	9.00E ON FEB 19	2 870 000	1986
1987	442 AT 09:55 MST ON JUN 13	422 ON JUN 13	7.60B ON FEB 24	2 620 000	1987
1988	383 AT 09:28 MST ON JUN 08	364 ON JUN 08	8.33 ON MAR 14	2 480 000	1988
1989	453 AT 04:34 MST ON JUN 15	431 ON JUN 15	8.11B ON JAN 27	2 740 000	1989
1990	514 AT 13:30 MST ON JUL 13	492 ON JUL 13	8.30B ON FEB 14	3 150 000	1990
				2 770 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	249	707	813	409	228	145	72.3	81.0	---	1960
1961	65.7	57.8	55.1	84.3	317	692	502	399	207	237	128	60.1	311	1961
1962	68.2	53.5	43.2	158	360	614	629	449	294	150	111	136	337	1962
1963	102	57.5	40.9	171	319	634	545	373	291	163	84.6	45.4	317	1963
1964	49.3	54.4	28.1	58.1	247	777	648	477	381	272	103	64.2	361	1964
1965	38.9	41.6	42.8	157	359	895	1 090	678	455	301	151	57.6	497	1965
1966	58.8	65.3	46.5	117	534	595	734	647	369	250	133	77.6	412	1966
1967	47.6	49.6	37.3	45.5	237	855	651	465	287	147	93.3	53.5	340	1967
1968	43.5	35.7	63.2	77.5	249	595	704	485	299	145	75.1	62.6	327	1968
1969	39.8	46.1	45.1	77.0	265	575	468	635	278	153	56.2	40.9	312	1969
1970	47.7	53.2	50.4	92.4	214	632	457	314	155	95.8	57.3	48.7	251	1970
1971	36.4	37.8	39.9	129	296	890	892	486	275	169	79.4	67.0	397	1971
1972	54.0	42.6	70.2	87.1	389	1 030	561	417	276	219	102	71.7	383	1972
1973	56.8	54.2	57.9	131	416	616	484	395	203	170	66.4	63.2	309	1973
1974	50.2	47.8	47.0	164	349	679	636	428	286	172	90.9	66.5	345	1974
1975	48.8	45.5	40.1	72.1	207	441	619	309	189	120	103	50.4	250	1975
1976	46.4	54.2	43.0	128	298	435	634	668	361	172	85.1	62.7	343	1976
1977	53.5	52.5	51.5	90.2	427	676	642	547	367	205	93.8	62.3	375	1977
1978	57.4	53.7	52.0	129	298	685	721	424	484	236	---	---	373	1978
1979	---	---	60.3	92.8	257	544	598	367	231	135	---	---	286	1979
1980	---	---	43.6	136	352	887	523	376	284	200	---	---	349	1980
1981	---	---	58.7	86.5	343	430	504	466	258	119	---	---	283	1981
1982	---	---	43.1	53.7	299	695	939	533	404	248	---	---	402	1982
1983	---	---	49.7	78.5	188	528	563	355	198	126	---	---	261	1983
1984	---	---	46.7	100	191	573	534	387	373	234	---	---	304	1984
1985	---	---	53.0	87.2	266	458	488	343	286	175	---	---	269	1985
1986	---	---	56.2	86.0	300	785	698	496	269	223	---	---	353	1986
1987	---	---	53.2	115	277	545	431	576	260	130	---	---	298	1987
1988	---	---	51.3	107	218	479	378	341	203	130	---	---	238	1988
1989	---	---	35.7	88.4	275	566	601	690	332	169	---	---	345	1989
1990	---	---	59.9	97.8	254	818	765	440	296	153	---	---	360	1990
MEAN	53.7	50.2	48.8	103	297	656	627	461	293	179	93.6	65.1	333	MEAN

LOCATION - LAT 54 12 25 N, LONG 116 03 45 W DRAINAGE AREA, 19 600 km^2 NATURAL FLOW

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	2 070 ON JUN 26	---	---	1960
1961	---	949 ON MAY 29	48.4B ON MAR 10	6 590 000	1961
1962	---	966 ON JUN 29	32.9B ON MAR 06	7 130 000	1962
1963	---	917 ON JUN 21	29.7B ON APR 02	6 700 000	1963
1964	---	1 230 ON JUN 20	23.4B ON MAR 30 *	7 630 000	1964
1965	---	2 130 ON JUL 10 *	30.3B ON MAR 31	10 500 000	1965
1966	---	1 190 ON AUG 29	38.5B ON MAR 09	8 730 000	1966
1967	---	1 170 ON JUN 20	28.2B ON MAR 14	7 200 000	1967
1968	1 210 AT 12:10 MST ON JUN 29	1 100 ON JUN 29	26.1B ON MAR 01	6 910 000	1968
1969	1 870 AT 09:52 MST ON AUG 07	1 760 ON AUG 07	43.9B ON MAR 01	8 610 000	1969
1970	1 030 AT 20:39 MST ON JUN 17	946 ON JUN 18	42.5B ON MAR 08	5 310 000	1970
1971	1 780 AT 06:00 MST ON JUN 11	1 700 ON JUL 12	30.8B ON MAR 01	8 390 000	1971
1972	1 970 AT 07:00 MST ON JUN 14 *	1 870 ON JUN 14	44.2B ON MAR 01	8 110 000	1972
1973	1 200 AT 09:00 MST ON JUN 26	1 170 ON JUN 26	55.8B ON MAR 01	6 540 000	1973
1974	1 360 AT 08:10 MST ON JUN 19	1 250 ON JUN 19	42.5B ON MAR 01	7 300 000	1974
1975	858 AT 05:30 MST ON JUL 09	850 ON JUL 08	39.6B ON MAR 11	5 290 000	1975
1976	1 070 AT 08:00 MST ON AUG 18	1 040 ON AUG 16	42.2B ON MAR 06	7 260 000	1976
1977	---	980A ON JUN 10	45.3B ON MAR 29	7 940 000	1977
1978	1 540 AT 04:00 MST ON JUL 13	1 460 ON JUL 13	43.0B ON MAR 13	7 890 000	1978
1979	1 050 AT 23:15 MST ON JUL 12	1 000 ON JUL 12	43.4B ON MAR 01	6 040 000	1979
1980	1 930 AT 07:10 MST ON JUN 06	1 870 ON JUN 06	38.0B ON MAR 06	7 390 000	1980
1981	818 AT 13:50 MST ON MAY 28	809 ON MAY 28	49.6B ON MAR 23	6 000 000	1981
1982	1 820 AT 10:25 MST ON JUL 05	1 790 ON JUL 05	36.0B ON MAR 01	8 510 000	1982
1983	811 AT 17:10 MST ON JUN 23	802 ON JUN 23	38.9B ON MAR 23	5 520 000	1983
1984	1 090 AT 11:35 MST ON JUL 01	1 060 ON JUL 01	42.0B ON MAR 13	6 440 000	1984
1985	784 AT 02:15 MST ON JUN 25	757 ON JUN 25	40.7B ON MAR 29	5 700 000	1985
1986	1 350 AT 20:51 MST ON JUL 18	1 290 ON JUL 19	47.7B ON APR 14	7 460 000	1986
1987	1 570 AT 13:10 MST ON AUG 03	1 510 ON AUG 03	52.0B ON MAR 10	6 320 000	1987
1988	702 AT 02:28 MST ON JUN 10	751 ON JUN 10	47.2B ON MAR 15	5 040 000	1988
1989	1 210 AT 19:20 MST ON AUG 18	1 130 ON AUG 18	31.3B ON MAR 19	7 300 000	1989
1990	1 540 AT 12:36 MST ON JUL 08	1 510 ON JUL 08	50.1B ON MAR 16	7 620 000	1990
				7 050 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.409	0.233	0.262	0.223	0.178	0.160	---	---	---	1979
1980	---	---	---	0.812	0.222	0.303	0.115	0.229	0.115	---	---	---	---	1980
1981	---	---	---	0.561	0.234	0.138	0.166	0.105	0.112	---	---	---	---	1981
1982	---	---	---	---	0.600	0.130	0.382	0.102	0.144	0.146	---	---	---	1982
1983	---	---	---	0.442	0.159	0.226	0.299	0.045	0.041	0.185	---	---	0.199	1983
1984	---	---	---	0.175	0.386	0.297	0.156	0.101	0.299	0.170	---	---	0.226	1984
1985	---	---	0.329	0.846	0.347	0.245	0.109	0.127	0.115	0.237	---	---	0.288	1985
1986	---	---	0.705	0.405	0.231	0.152	0.493	0.051	0.128	0.183	---	---	0.225	1986
1987	---	---	0.054	0.316	0.268	0.099	0.089	0.127	0.108	0.096	---	---	0.157	1987
1988	---	---	0.135	0.150	0.107	0.202	0.474	0.261	0.115	0.120	---	---	0.205	1988
1989	---	---	---	0.456	0.316	0.324	0.430	0.210	0.132	0.128	---	---	0.285	1989
1990	---	---	---	0.464	0.345	0.230	0.681	0.108	0.113	0.100	---	---	0.292	1990
MEAN	---	---	0.306	0.463	0.302	0.215	0.305	0.141	0.133	0.153	---	---	0.236	MEAN

LOCATION - LAT 53 34 20 N, LONG 113 56 00 W
DRAINAGE AREA, 315 km²
NATURAL FLOW

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.92 AT 23:00 MST ON APR 18	1.51 ON APR 19	---	---	1979
1980	2.04 AT 09:00 MST ON APR 09	1.77 ON APR 09	---	---	1980
1981	---	0.914 ON APR 01	---	---	1981
1982	4.08 AT 17:30 MST ON APR 21	3.96 E ON APR 22 *	---	---	1982
1983	0.964 AT 07:08 MST ON APR 09	0.771 ON APR 08	0 ON AUG 26 *	3 680	1983
1984	1.18 AT 07:17 MST ON JUN 07	1.09 ON JUN 07	0.050 ON AUG 09	4 180	1984
1985	2.82 AT 21:21 MST ON MAR 31	2.15 ON APR 01	0 ON AUG 09	5 330	1985
1986	3.11 AT 01:14 MST ON MAR 20	2.51 ON JUL 18	0.002 ON AUG 21	4 340	1986
1987	0.773 AT 09:17 MST ON AUG 05	0.573 ON APR 04	0 ON JUN 16	2 910	1987
1988	5.73 AT 18:04 MST ON JUL 06	3.49 ON JUL 06	0.050 ON SEP 14	3 790	1988
1989	2.18 B AT 17:05 MST ON APR 02	1.65 ON MAY 20	0.094 ON AUG 11	5 270	1989
1990	6.99 AT 16:42 MST ON JUL 03 *	3.82 ON JUL 03	0.083 ON AUG 13	5 400	1990
				4 360	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIMOSME CREEK NEAR ELK POINT - STATION NO. 05ED002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.259	0.090	0.086	0.124	---	---	---	1975
1976	---	---	0.004	---	---	---	0.075	0.020	0.015	0.063	---	---	---	1976
1977	---	---	0	0.251	0.313	0.055	0.011	0.072	0.021	0.041	---	---	0.095	1977
1978	---	---	0.004	1.48	0.265	0.305	0.022	0.018	0.039	0.041	---	---	0.267	1978
1979	---	---	0	2.58	0.899	0.295	0.549	0.231	0.092	0.041	---	---	0.581	1979
1980	---	---	0	1.45	0.108	0.045	0.054	0.100	0.029	0.041	---	---	0.225	1980
1981	---	---	0.257	1.82	0.059	0.032	0.026	0.003	0.013	0.004	---	---	0.272	1981
1982	---	---	0	0.229	0.224	0.006	0.022	0.005	0.003	0.011	---	---	0.062	1982
1983	---	---	0.002	0.088	0.009	0.012	0.033	0.010	0.055	0.024	---	---	0.029	1983
1984	---	---	0.250	1.34	0.084	0.091	0.053	0.139	0.038	0.085	---	---	0.258	1984
1985	---	---	0.034	1.52	0.364	0.059	0.076	0.114	0.016	0.048	---	---	0.275	1985
1986	---	---	0.187	0.733	0.145	0.080	0.165	0.049	0.006	0.055	---	---	0.176	1986
1987	---	---	0.017	2.61	0.160	0.020	0.003	0.003	0.068	0.033	---	---	0.358	1987
1988	---	---	0.006	0.018	0.001	0.002	0.004	0.001	0.014	0.024	---	---	0.009	1988
1989	---	---	0	0.116	0.004	0.007	0.005	0.003	0.001	0.001	---	---	0.017	1989
1990	---	---	0.081	1.78	0.117	0.002	0.002	0.001	0.002	0.001	---	---	0.243	1990
MEAN	---	---	0.056	1.14	0.197	0.072	0.085	0.054	0.031	0.040	---	---	0.205	MEAN

LOCATION - LAT 53 53 10 N DRAINAGE AREA, 364 km²
LONG 110 55 10 W NATURAL FLOW

ATIMOSME CREEK NEAR ELK POINT - STATION NO. 05ED002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	0 B ON MAR 06 *	---	1976
1977	---	0.790 ON MAY 20	0 B ON MAR 01	2 020	1977
1978	4.84 B AT 16:30 MST ON APR 11	3.85 B ON APR 11	0 B ON MAR 01	5 660	1978
1979	13.1 AT 05:30 MST ON APR 26 *	12.3 ON APR 26 *	0 B ON MAR 01	12 300	1979
1980	10.0 B AT 11:50 MST ON APR 14	7.91 B ON APR 14	0 B ON MAR 01	4 770	1980
1981	8.15 AT 08:30 MST ON APR 03	7.10 B ON APR 02	0 ON JUN 15	5 760	1981
1982	1.06 B AT 13:30 MST ON APR 29	1.03 B ON APR 29	0 B ON MAR 01	1 320	1982
1983	1.68 AT 10:13 MST ON SEP 27	0.923 ON SEP 27	0 B ON MAR 01	610	1983
1984	---	5.55 B ON APR 02	0.001B ON MAR 01	5 450	1984
1985	5.55 AT 15:31 MST ON APR 07	3.86 ON APR 06	0.001 ON AUG 22	5 830	1985
1986	---	3.00 B ON APR 03	0.004 ON SEP 28	3 740	1986
1987	8.53 AT 10:57 MST ON APR 10	6.06 B ON APR 10	0 ON JUL 05	7 570	1987
1988	0.280 AT 07:46 MST ON SEP 15	0.076 ON OCT 08	0 ON MAY 08	190	1988
1989	0.264B AT 00:16 MST ON APR 10	0.262B ON APR 09	0 B ON MAR 01	359	1989
1990	7.29 B AT 11:46 MST ON APR 05	6.26 B ON APR 06	0 B ON MAR 18	5 150	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 340	MEAN

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CG005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.027	0.002	0.009	0.006	---	---	---	1982
1983	---	---	0.051	0.024	0.033	0.013	0.001	0	0	0	---	---	0.015	1983
1984	---	---	0.024	0.007	0.002	0.015	0.019	0.029	0.031	0.002	---	---	0.016	1984
1985	---	---	0.136	0.079	0.018	0	0.001	0.007	0.004	0.001	---	---	0.031	1985
1986	---	---	0.018	0.002	0.019	0.005	0.008	0.001	0.051	0.010	---	---	0.014	1986
MEAN	---	---	0.057	0.028	0.018	0.008	0.011	0.008	0.019	0.004	---	---	0.019	MEAN

LOCATION - LAT 51 19 42 N DRAINAGE AREA, 52.3 km²
LONG 112 28 34 W NATURAL FLOW

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	0.479 AT 03:28 MST ON JUN 25	0.208 ON MAY 23	0B ON MAR 01 *	325	1983
1984	0.369 AT 19:55 MST ON JUL 29	0.255 ON JUL 31	0B ON MAR 01	342	1984
1985	---	0.597B ON MAR 16	0 ON JUN 07	655	1985
1986	2.68 ON SEP 25 *	0.906A ON SEP 25 *	0 ON MAY 27	301	1986
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		406	MEAN

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.489	0.037	0.108	0.009	---	---	---	1965
1966	---	---	1.44	0.052	0.007	0.067	0.275	0.013	0.023	0	---	---	0.236	1966
1967	---	---	0	1.27	0.114	0	0.112	0	0	0	---	---	0.184	1967
1968	---	---	0.020	0.022	0	0.015	0.044	0.033	0.117	0.057	---	---	0.038	1968
1969	---	---	0	1.09	0.003	0	0	0	0	0	---	---	0.134	1969
1970	---	---	0.113	0.031	0.001	0.302	0.238	0	0	0	---	---	0.085	1970
1971	---	---	0.013	2.09	0.003	0	0	0	0	0	---	---	0.258	1971
MEAN	---	---	0.264	0.759	0.021	0.064	0.165	0.012	0.035	0.009	---	---	0.156	MEAN

LOCATION - LAT 51 19 50 N DRAINAGE AREA, 76.9 km²
LONG 113 03 15 W NATURAL FLOW

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	0 ON JUN 25 *	---	1965
1966	10.7 E ON JUL 03 *	12.3 E ON MAR 27	0E ON MAR 01	5 000	1966
1967	---	7.76 ON APR 14	0B ON MAR 01	3 900	1967
1968	3.28 AT 21:30 MST ON SEP 22	1.47 ON SEP 23	0B ON MAR 01	812	1968
1969	---	7.28A ON APR 06	0B ON MAR 01	2 830	1969
1970	6.26 AT 05:30 MST ON JUN 14	3.85 ON JUN 14	0B ON MAR 01	1 800	1970
1971	18.6 AT 21:30 MST ON APR 13	13.3 A ON APR 09 *	0B ON MAR 01	5 470	1971
				3 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.874	C.375	0.836	0.278	0.298	2.96	0.584	---	---	---	1978
1979	---	---	---	---	0.847	0.241	0.662	0.049	0.001	0.001	---	---	---	1979
1980	---	---	---	0.108	0.026	0.013	0.083	0.167	0.152	---	---	---	---	1980
1981	---	---	---	0.697	0.068	0.033	0.062	0.032	0.005	---	---	---	---	1981
1982	---	---	---	0.635	0.137	0.009	0.113	0.199	0.020	0.008	---	---	---	1982
1983	---	---	---	0.152	0.028	0.195	1.12	0.313	0.078	0.045	---	---	---	1983
1984	---	---	0.069	0.081	0.029	0.234	0.152	0.016	0.105	0.134	---	---	0.102	1984
1985	---	---	0.034	1.77	0.499	0.012	0.002	0	0.001	0.001	---	---	0.287	1985
1986	---	---	0.143	0.172	0.012	0.005	0.601	0.032	0.002	0.005	---	---	0.122	1986
1987	---	---	0	0.283	0.114	0.026	0.001	0.001	0.001	0.001	---	---	0.053	1987
1988	---	---	0	0	0.001	0.023	0.319	0.023	0.002	0	---	---	0.046	1988
1989	---	---	0	0.077	0.148	0.141	0.094	0.046	0.135	0.002	---	---	0.080	1989
1990	---	---	0.024	0.190	0.042	0.002	0.042	0.009	0.001	0	---	---	0.038	1990
MEAN	---	---	0.039	0.420	0.179	0.136	0.271	0.093	0.269	0.071	---	---	0.104	MEAN

LOCATION - LAT 54 39 10 N DRAINAGE AREA, 222 km²
LONG 113 04 45 W NATURAL FLOW

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	6.97 ON SEP 18 *	---	---	1978
1979	5.24 B AT 16:10 MST ON APR 24	5.15 B ON APR 24	0 ON AUG 21 *	---	1979
1980	0.793 AT 12:15 MST ON APR 08	0.354B ON APR 08	0 B ON APR 01	---	1980
1981	1.84 AT 08:14 MST ON APR 02	1.76 B ON APR 02	0 B ON MAR 15	---	1981
1982	1.90 AT 19:15 MST ON APR 24	1.90 A ON APR 24	0 B ON MAR 23	---	1982
1983	3.60 AT 06:33 MST ON JUN 24	3.56 ON JUL 24	0 B ON MAR 11	---	1983
1984	0.702 AT 06:32 MST ON JUN 06	0.667 ON JUN 06	0 B ON MAR 01	2 160	1984
1985	---	2.97 B ON APR 04	0 B ON MAR 01	6 070	1985
1986	7.71 AT 10:37 MST ON JUL 19 *	6.33 ON JUL 19	0.001 ON JUN 01	2 590	1986
1987	1.72 AT 15:54 MST ON MAY 29	0.995 ON MAY 30	0 B ON MAR 01	1 120	1987
1988	2.86 AT 16:54 MST ON JUL 18	1.90 ON JUL 19	0 B ON MAR 01	994	1988
1989	2.96 AT 13:45 MST ON APR 27	1.45 ON JUN 22	0 B ON MAR 01	1 690	1989
1990	---	0.580B ON APR 04	0 B ON MAR 01	814	1990
				2 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07QJ004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.248	0.354	0.585	3.89	0.061	0.050	0.027	0.047	---	---	0.649	1968
1969	---	---	0	3.56	1.14	0.059	0.059	---	---	---	---	---	---	1969
MEAN	---	---	0.124	1.96	0.863	1.97	0.060	0.050	0.027	0.047	---	---	0.649	MEAN

LOCATION - LAT 55 31 52 N DRAINAGE AREA, 192 km²
LONG 118 23 28 W NATURAL FLOW

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	142 AT 06:30 MST ON JUN 13 *	69.9 ON JUN 13 *	0.019 ON SEP 02	13 700	1968
1969	---	17.8E ON APR 29	0 B ON MAR 01 *	---	1969
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 700	MEAN

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.58	1.33	0.898	---	---	---	1973
1974	---	---	---	---	1.09	9.88	7.11	3.45	1.29	0.744	---	---	3.91	1974
1975	---	---	---	---	1.23	5.37	5.22	3.11	1.64	0.863	---	---	2.90	1975
1976	---	---	---	---	---	5.64	8.60	5.95	3.70	1.21	---	---	---	1976
MEAN	---	---	---	---	1.16	6.96	6.98	3.77	1.99	0.929	---	---	3.41	MEAN

LOCATION - LAT 51 20 50 N, LONG 116 04 05 W DRAINAGE AREA, 124 km² NATURAL FLOW

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	25.0 AT 02:10 MST ON JUN 24 *	21.1 ON JUN 24 *	0.566E ON OCT 31	62 100	1974
1975	---	7.93E ON JUL 05	0.388 ON MAY 02 *	46 100	1975
1976	15.1 AT 01:30 MST ON JUL 01	13.1 ON JUL 01	0.595 ON MAY 01	---	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		54 100	MEAN

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	5.62	4.43	---	---	---	---	---	1974
1975	---	---	---	---	---	---	8.65	4.02	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	7.14	4.23	---	---	---	---	---	MEAN

LOCATION - LAT 51 35 40 N, LONG 116 24 10 W DRAINAGE AREA, 38.6 km² NATURAL FLOW DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	12.2E ON JUL 12 *	---	---	1975
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BAPTISTE RIVER NEAR THE MOUTH - STATION NO. 05DC012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	7.23	4.30	1.57	0.790	---	1984
1985	0.659	0.575	0.780	5.29	4.99	5.68	1.73	4.88	13.2	7.15	3.22	1.35	4.12	1985
1986	1.03	0.815	2.09	5.44	16.5	---	---	---	---	---	2.52	1.10	---	1986
1987	1.69	1.53	1.52	5.68	5.84	2.98	7.62	5.91	2.77	1.80	1.58	0.833	3.33	1987
1988	0.440	0.477	0.924	3.40	1.59	3.72	5.85	7.12	3.68	2.76	1.10	0.814	2.66	1988
1989	0.675	0.588	0.528	8.30	8.88	7.41	12.1	26.0	13.4	9.54	6.44	3.56	8.17	1989
1990	1.96	1.26	4.15	16.7	27.3	43.8	27.0	7.37	4.61	4.09	1.83	1.19	11.8	1990
MEAN	1.08	0.874	1.67	7.47	11.2	12.7	10.9	10.3	7.48	4.94	3.00	1.52	6.02	MEAN

LOCATION - LAT 52 39 56 N, LONG 115 04 27 W DRAINAGE AREA, 1 350 km² NATURAL FLOW

BAPTISTE RIVER NEAR THE MOUTH - STATION NO. 05DC012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	45.5 AT 00:18 MST ON SEP 14	41.8 ON SEP 14	0.500B ON MAR 04	130 000	1985
1986	543 ON JUL 18 *	---	---	---	1986
1987	13.9 AT 03:13 MST ON JUL 23	13.1 ON JUL 23	0.570B ON DEC 31	105 000	1987
1988	40.8 AT 07:59 MST ON AUG 18	37.0 ON AUG 18	0.360B ON JAN 31 *	84 300	1988
1989	142 AT 19:36 MST ON AUG 03	116 ON AUG 04	0.440B ON MAR 21	258 000	1989
1990	158 AT 08:30 MST ON JUL 04	144 ON JUL 04 *	0.820B ON NOV 24	372 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		190 000	MEAN

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	5.17	4.70	4.29	---	---	---	---	---	1913
1915	---	---	---	---	---	3.61	6.70	9.16	2.78	0.998	0.668	0.506	---	1915
1916	0.448	0.408	---	---	---	---	9.30	5.84	3.50	1.31	0.649	0.484	---	1916
1917	0.379	0.332	0.262	0.258	1.57	3.85	8.03	6.07	3.21	2.29	0.797	0.563	2.32	1917
1918	0.418	0.351	0.322	0.434	1.16	8.97	8.14	7.89	6.20	1.57	0.564	0.606	3.06	1918
1919	0.382	0.308	0.298	0.412	2.06	4.32	6.05	6.27	3.90	1.04	0.578	0.364	2.18	1919
1920	0.304	0.267	0.246	0.291	0.923	2.96	7.67	5.89	2.54	1.15	---	---	---	1920
MEAN	0.386	0.333	0.282	0.349	1.43	4.81	7.23	6.49	3.69	1.39	0.651	0.505	2.52	MEAN

LOCATION - LAT 51 26 25 N
LONG 116 12 30 W
DRAINAGE AREA, 67.6 km^2
NATURAL FLOW

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	7.84 ON JUN 13	---	---	1913
1915	---	11.8 ON JUN 26	---	---	1915
1916	---	17.8 ON JUN 20	---	---	1916
1917	---	10.0 ON JUL 21	0.249 ON MAR 26	73 200	1917
1918	---	23.5 ON JUN 16 *	0.494 ON APR 02	96 700	1918
1919	---	7.25A ON MAY 29	0.224A ON FEB 24 *	68 700	1919
1920	---	8.33 ON JUL 18	---	---	1920
A - MANUAL GAUGE (SEE REFERENCE INDEX)		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		79 500	MEAN

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0.455	0.524	0.546	0.403	0.468	0.379	---	---	0.462	1973
1974	---	---	---	---	0.033	0.475	0.627	0.534	0.487	0.409	---	---	0.427	1974
1975	---	---	---	---	0.054	0.310	0.373	0.673	0.526	0.332	---	---	0.378	1975
1976	---	---	---	---	0.244	0.373	0.448	0.460	0.640	0.364	---	---	0.421	1976
1977	---	---	---	---	0.245	0.204	0.270	0.223	0.393	0.238	---	---	0.275	1977
1978	---	---	---	---	0.049	0.149	0.545	0.860	0.962	0.400	---	---	0.494	1978
1979	---	---	---	---	0.024	0.402	0.372	0.342	0.505	0.352	---	---	0.332	1979
1980	---	---	---	---	0.422	0.233	0.406	0.487	0.470	0.266	---	---	0.381	1980
1981	---	---	---	---	0.454	0.452	0.561	0.566	0.360	0.496	---	---	0.483	1981
1982	---	---	---	---	0.100	0.399	0.541	0.684	0.653	0.163	---	---	0.422	1982
1983	---	---	---	---	0.128	0.411	0.342	0.503	0.343	0.057	---	---	0.297	1983
1984	---	---	---	---	0.185	0.582	0.117	0.146	0.227	0.166	---	---	0.235	1984
1985	---	---	---	---	0.096	0.278	0.102	0.288	0.233	0.132	---	---	0.187	1985
1986	---	---	---	---	0.033	0.307	0.306	0.332	0.384	0.139	---	---	0.249	1986
1987	---	---	---	---	0.273	0.289	0.305	0.324	0.400	0.174	---	---	0.320	1987
1988	---	---	---	---	0.437	0.397	0.352	0.381	0.349	0.114	---	---	0.338	1988
1989	---	---	---	---	0.141	0.273	0.339	0.436	0.257	0.272	---	---	0.287	1989
1990	---	---	---	---	0.389	0.395	0.358	0.547	0.491	0.316	---	---	0.416	1990
MEAN	---	---	---	---	0.209	0.363	0.388	0.455	0.457	0.265	---	---	0.356	MEAN

LOCATION - LAT 49 52 20 N
LONG 112 36 00 W
REGULATED

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.903 ON AUG 07	0.005E ON MAY 01	7 350	1973
1974	---	1.08 ON JUL 08	0.013 ON MAY 28	6 790	1974
1975	---	1.05 ON AUG 19	0.022 ON OCT 31	6 000	1975
1976	---	1.09 ON SEP 13	0.004 ON MAY 10	6 690	1976
1977	---	0.685 ON JUL 19	0.007 ON MAY 04	4 370	1977
1978	---	2.02 ON AUG 23	0.011A ON OCT 30	7 850	1978
1979	---	0.916 ON OCT 20	0.001 ON JUN 03	5 270	1979
1980	---	2.36 ON MAY 24 *	0.008 ON MAY 10	6 050	1980
1981	---	1.03 ON JUN 14	0.007 ON MAY 02	7 670	1981
1982	---	2.23 ON JUL 01	0.015E ON MAY 16	6 710	1982
1983	---	1.04 ON AUG 12	0.009 ON MAY 10	4 710	1983
1984	---	1.15 ON JUN 11	0 B ON OCT 19 *	3 740	1984
1985	---	0.677A ON AUG 16	0.003 ON AUG 06	2 980	1985
1986	---	0.818 ON AUG 11	0.002 ON MAY 01	3 960	1986
1987	---	1.29 ON JUL 19	0.005 ON MAY 10	5 090	1987
1988	---	1.26 ON JUN 09	0.016 ON OCT 27	5 370	1988
1989	---	0.899 ON OCT 10	0.010 ON MAY 07	4 560	1989
1990	---	1.25 ON MAY 29	0.004 ON MAY 02	6 610	1990
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 650	MEAN

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05FA023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.780	4.66	1.57	2.76	0.435	0.114	0.213	0.999	---	---	1.43	1984
1985	---	---	1.54	18.1	5.85	1.04	0.627	0.098	0.052	0.277	---	---	3.41	1985
1986	---	---	4.26	5.38	6.43	3.00	3.10	6.44	1.87	2.02	---	---	4.07	1986
MEAN	---	---	2.19	9.38	4.62	2.27	1.39	2.22	0.712	1.10	---	---	2.97	MEAN

LOCATION - LAT 52 57 31 N, LONG 113 10 20 W. DRAINAGE AREA, 2 800 km^2. NATURAL FLOW

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05FA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	12.5 AT 18:00 MST ON APR 03	10.8B ON APR 03	0.010 ON SEP 05	30 200	1984
1985	48.5 AT 11:43 MST ON APR 08 *	35.5 ON APR 08 *	0.004A ON AUG 09 *	72 200	1985
1986	---	12.4 ON MAY 24	0.559 ON JUL 07	86 100	1986
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		62 800	MEAN

BATTLE RIVER AT DUHAMEL - STATION NO. 05FA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	3.47	1.30	0.965	0.481	0.364	0.240	---	1931
1932	---	---	---	5.48	9.45	4.05	---	---	---	---	---	---	---	1932
MEAN	---	---	---	5.48	9.45	4.05	3.47	1.30	0.965	0.481	0.364	0.240	---	MEAN

LOCATION - LAT 52 57 00 N, LONG 112 58 00 W. DRAINAGE AREA, 5 010 km^2. NATURAL FLOW

BATTLE RIVER AT DUHAMEL - STATION NO. 05FA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	9.15 ON JUL 08	---	---	1931
1932	---	24.6 ON APR 30 *	---	---	1932
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE RIVER AT HIGHWAY NO. 41 - STATION NO. 05FE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	2.79	2.21	0.515	9.20	3.72	---	---	---	1978
MEAN	---	---	---	---	---	2.79	2.21	0.515	9.20	3.72	---	---	---	MEAN

LOCATION - LAT 52 59 45 N, LONG 110 51 15 W. DRAINAGE AREA, 17 800 km^2. REGULATED SINCE 1973. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER AT HIGHWAY NO. 41 - STATION NO. 05FE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
				---	MEAN

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05FA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	1.31	0.363	0.098	---	1.05	---	---	---	1978
MEAN	---	---	---	---	---	1.31	0.363	0.098	---	1.05	---	---	---	MEAN

LOCATION - LAT 52 58 05 N, LONG 113 04 20 W DRAINAGE AREA, 4 870 km^2, NATURAL FLOW DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05FA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON JUL 31 *	---	1978
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.792	0.146	0.027	---	1966
1967	0.008	0.002	0	2.81	17.4	3.75	0.800	0.276	0.079	0.010	---	---	3.15	1967
1968	---	---	1.80	1.97	0.549	0.057	0.079	0.009	0.409	0.492	---	---	0.669	1968
1969	---	---	0	24.9	8.64	1.14	0.511	0.069	0.239	0.216	---	---	4.42	1969
1970	---	---	0.014	21.9	10.2	2.22	6.28	1.98	1.24	0.916	---	---	5.56	1970
1971	---	---	0.028	18.9	26.3	3.86	4.39	5.12	2.40	1.22	---	---	7.77	1971
1972	---	---	0.719	15.6	12.0	3.75	2.38	1.05	1.09	0.982	---	---	4.68	1972
1973	---	---	1.36	13.1	9.82	4.35	9.09	14.7	7.94	4.03	---	---	8.05	1973
1974	---	---	0.456	52.1	137	31.6	13.4	8.37	4.38	3.02	---	---	31.3	1974
1975	---	---	0.014	3.77	21.9	6.22	2.88	1.00	0.290	0.445	---	---	4.58	1975
1976	---	---	0.327	6.76	3.71	0.574	0.186	0.070	0.024	0.110	---	---	1.46	1976
1977	---	---	0.112	0.895	2.63	1.80	0.594	0.119	0.057	0.050	---	---	0.780	1977
1978	---	---	1.52	5.60	1.39	1.56	0.707	0.403	3.62	2.24	---	---	2.37	1978
1979	---	---	4.87	18.5	14.0	3.36	1.64	1.04	0.357	0.824	---	---	5.55	1979
1980	---	---	0.274	13.0	6.27	2.86	4.86	4.63	7.87	8.47	---	---	6.01	1980
1981	---	---	6.65	13.5	5.03	3.21	2.27	10.3	6.71	3.38	---	---	6.36	1981
1982	---	---	0.581	8.22	44.1	10.0	23.0	16.6	6.35	5.44	---	---	14.4	1982
1983	---	---	2.99	21.6	9.48	4.79	32.5	6.40	1.85	1.35	---	---	10.1	1983
1984	---	---	0.499	8.00	2.33	3.01	0.935	0.017	0.212	0.422	---	---	1.91	1984
1985	---	---	6.69	39.0	14.1	2.30	0.199	0.512	0.019	0.036	---	---	7.79	1985
1986	---	---	10.5	13.0	8.86	5.99	2.61	6.66	4.12	3.00	---	---	6.78	1986
1987	---	---	0.696	19.6	5.80	2.11	0.844	1.49	2.98	1.28	---	---	4.30	1987
1988	---	---	0.325	4.84	0.996	0.826	0.862	0.885	0.589	0.993	---	---	1.28	1988
1989	---	---	0.166	12.0	10.2	4.65	2.33	0.387	0.503	0.400	---	---	3.80	1989
1990	---	---	3.51	25.4	9.31	9.89	36.0	20.0	3.74	2.17	---	---	13.8	1990
MEAN	0.008	0.002	1.84	15.2	16.0	4.73	6.22	4.25	2.38	1.69	0.146	0.027	6.54	MEAN

LOCATION - LAT 52 34 26 N, LONG 112 20 25 W DRAINAGE AREA, 7 680 km^2, REGULATED SINCE 1973

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	31.4 AT 15:00 MST ON MAY 01	31.1 ON MAY 01	0 B ON MAR 01 *	66 700	1967
1968	10.5 AT 23:30 MST ON OCT 07	7.42 ON OCT 08	0 ON JUN 27	14 200	1968
1969	---	37.7 B ON APR 10	0 E ON MAR 01	93 500	1969
1970	45.9 AT 12:00 MST ON JUL 01	43.6 ON JUL 01	0.014B ON MAR 01	118 000	1970
1971	49.3 AT 17:30 MST ON MAY 01	49.0 ON APR 30	0.028B ON MAR 01	164 000	1971
1972	29.2 AT 12:00 MST ON APR 23	26.6 ON APR 23	0 B ON MAR 14	99 000	1972
1973	26.6 AT 09:00 MST ON AUG 07	27.8 ON AUG 07	0 B ON MAR 01	170 000	1973
1974	243 A AT 06:40 MST ON APR 30 *	242 A ON APR 30 *	0.365B ON MAR 27	662 000	1974
1975	33.7 AT 11:00 MST ON MAY 08	33.7 ON MAY 08	0.014B ON MAR 01	97 000	1975
1976	---	10.0 B ON APR 07	0.014 ON SEP 13	30 900	1976
1977	11.0 AT 19:30 MST ON MAY 16	9.15 ON MAY 17	0 ON AUG 22	16 500	1977
1978	16.6 AT 13:20 MST ON JUN 30	14.5 ON JUN 30	0 ON AUG 03	50 100	1978
1979	22.0 AT 20:10 MST ON MAY 01	22.0 ON MAY 01	0.018 ON SEP 10	118 000	1979
1980	25.5 AT 11:00 MST ON APR 22	25.3 ON APR 22	0.100B ON MAR 01	127 000	1980
1981	---	21.0 B ON MAR 29	1.30 B ON MAR 09	135 000	1981
1982	62.9 AT 22:47 MST ON MAY 06	62.4 ON MAY 06	0.235B ON APR 02	304 000	1982
1983	46.6 AT 16:13 MST ON JUL 08	45.1 ON JUL 08	0.986 ON JUN 17	215 000	1983
1984	10.3 AT 22:25 MST ON APR 10	10.2 ON APR 10	0 B ON MAR 01	40 300	1984
1985	51.9 AT 16:38 MST ON APR 21	51.4 ON APR 21	0.002 ON JUL 15	165 000	1985
1986	41.5 AT 09:15 MST ON MAR 30	36.1 ON MAR 30	1.91 ON JUL 15	144 000	1986
1987	33.3B AT 13:08 MST ON APR 04	32.2 B ON APR 04	0.265B ON MAR 19	91 000	1987
1988	---	8.25B ON APR 08	0.068 ON JUN 07	27 100	1988
1989	22.1 AT 10:38 MST ON APR 29	22.0 ON APR 26	0.011B ON MAR 20	80 500	1989
1990	56.5 AT 13:54 MST ON JUL 25	56.4 ON JUL 25	0.114B ON MAR 02	291 000	1990
				138 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR PONOKA - STATION NO. 05FA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.80	6.77	2.99	1.57	1.23	0.891	---	---	1913
1914	---	---	---	2.32	10.6	23.0	5.62	1.01	0.927	1.55	0.930	0.926	---	1914
1915	0.788	0.481	1.22	3.80	3.64	26.7	30.5	5.05	2.02	2.32	1.24	0.490	6.55	1915
1916	0.228	0.272	4.37	7.47	6.50	10.5	15.8	8.38	23.6	6.94	3.51	1.84	7.44	1916
1917	1.46	1.47	1.54	30.3	27.9	11.7	5.08	0.883	0.916	0.968	1.67	1.38	7.11	1917
1918	1.39	1.41	1.57	4.48	2.71	2.73	1.06	0.575	0.576	0.680	0.334	0.199	1.47	1918
1919	0.168	0.125	0.141	10.5	5.93	2.49	1.10	0.530	1.50	0.608	0.631	0.388	2.01	1919
1920	0.455	0.477	0.578	10.1	41.5	8.11	2.49	0.793	0.647	0.753	0.553	0.395	5.61	1920
1921	0.458	0.447	0.541	7.46	2.46	1.75	1.42	0.490	0.373	0.366	0.192	0.037	1.33	1921
1922	0.005	0.003	0.003	0.831	0.903	0.779	0.411	0.270	0.196	0.209	0.073	---	---	1922
1923	---	---	---	1.81	1.47	2.30	2.73	2.52	0.939	0.911	---	---	---	1923
1924	---	---	---	1.36	1.66	1.04	0.468	1.04	0.844	0.790	0.450	0.262	---	1924
1925	0.161	0.091	0.069	15.4	2.71	2.78	1.05	0.793	1.04	1.11	0.886	0.740	2.22	1925
1926	0.743	0.689	2.07	7.17	2.22	20.3	3.52	1.52	14.7	5.58	2.36	1.67	5.18	1926
1927	1.53	1.08	1.52	32.0	22.5	8.64	23.0	2.40	1.45	2.05	1.20	1.12	8.35	1927
1928	1.25	1.86	14.2	11.5	4.10	8.48	9.69	1.84	1.14	1.27	0.622	0.520	4.72	1928
1929	0.550	0.304	1.23	3.96	3.21	1.62	0.747	0.296	0.151	0.245	0.175	0.100	1.05	1929
1930	0.086	0.048	0.102	1.16	0.944	0.800	0.646	0.421	0.293	---	---	---	---	1930
1931	---	0.024	0.031	0.695	---	---	---	---	---	0.271	0.168	0.070	---	1931
1932	0.069	---	---	---	---	---	---	---	---	---	---	---	---	1932
1966	---	---	---	---	---	---	0.360	0.243	0.116	0.138	---	---	---	1966
1967	---	---	0	3.32	2.80	1.92	0.328	0.011	0	0	---	---	---	1967
1968	---	---	2.55	0.880	0.373	0.147	0.059	0.058	0.025	0.033	---	---	---	1968
1969	---	---	0.162	10.5	0.788	0.320	0.189	0.094	0.083	0.319	---	---	---	1969
1970	---	---	0.093	8.87	1.12	1.31	2.39	0.290	0.206	0.243	---	---	---	1970
1971	---	---	0.219	16.7	2.41	1.64	4.09	0.449	0.156	0.263	0.171	0.162	---	1971
1972	0.088	0.081	0.610	7.94	3.92	1.15	1.01	0.791	0.343	0.470	0.307	0.168	1.23	1972
1973	0.101	0.069	0.827	6.51	3.51	2.02	2.50	6.74	1.32	0.717	0.568	0.399	2.53	1973
1974	0.305	0.310	0.302	33.0	14.4	4.53	4.85	1.67	0.605	0.529	0.442	0.145	5.08	1974
1975	0.168	0.192	0.210	6.23	6.85	1.78	0.935	0.282	0.140	0.173	0.146	0.084	1.44	1975
1976	0.097	0.106	0.175	3.55	0.649	0.084	0.047	0.527	0.103	0.039	0.090	0.098	0.460	1976
1977	0.132	0.168	0.219	1.22	3.05	2.43	0.257	0.073	0.107	0.135	0.127	0.100	0.669	1977
1978	0.050	0.036	1.44	4.21	1.78	1.31	0.278	0.209	0.602	0.477	0.498	0.380	0.938	1978
1979	0.171	0.105	2.91	4.21	3.03	1.65	0.206	0.245	0.164	0.290	0.195	0.174	1.12	1979
1980	0.121	0.079	0.083	5.48	0.890	2.71	3.63	2.47	3.44	1.91	1.34	0.655	1.90	1980
1981	0.576	0.426	4.53	2.41	3.60	2.22	3.19	13.6	2.49	2.85	2.57	2.08	3.59	1981
1982	1.40	0.485	0.496	19.7	8.67	2.61	16.5	3.48	3.07	2.86	1.78	1.28	5.22	1982
1983	0.920	0.965	2.42	9.94	3.33	1.92	6.02	0.899	0.210	0.456	0.416	0.185	2.31	1983
1984	0.193	0.292	1.53	2.17	1.83	3.18	0.106	0.056	1.22	0.993	0.653	0.394	1.05	1984
1985	0.306	0.218	2.44	16.2	3.24	1.01	0.224	0.457	0.518	0.515	0.485	0.175	2.14	1985
1986	0.216	0.200	5.32	2.44	8.74	2.51	10.4	2.69	0.657	2.19	0.922	0.513	3.10	1986
1987	0.337	0.310	0.416	7.06	3.58	1.03	0.655	2.20	1.85	0.763	0.832	0.243	1.75	1987
1988	0.052	0.047	0.576	1.14	0.438	1.45	5.69	1.42	0.871	0.687	0.540	0.331	1.11	1988
1989	0.187	0.114	0.123	13.8	4.46	1.64	0.876	0.826	0.660	1.06	1.01	0.535	2.10	1989
1990	0.408	0.211	4.31	9.53	5.22	13.0	36.0	4.24	2.06	1.77	0.452	0.251	6.51	1990
MEAN	0.446	0.388	1.57	8.34	5.55	4.57	5.11	1.79	1.71	1.11	0.795	0.528	3.14	MEAN

LOCATION - LAT 52 39 44 N
LONG 113 34 56 W
DRAINAGE AREA, 1 830 km^2
NATURAL FLOW

BATTLE RIVER NEAR ROMOKA - STATION NO. 05FA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	17.0 ON JUL 16 55.5 ON JUN 10	---	---	1914
1915	---	---	---	---	1915
1916	---	55.8 ON JUN 06	0.340B ON DEC 31	207 000	1916
1917	---	58.9 ON SEP 08	0.173B ON FEB 09	235 000	1917
1918	---	59.5 ON APR 14	0.680 ON AUG 18	224 000	1918
1919	---	7.08 ON APR 14 28.3 ON APR 14	0.085B ON NOV 14 0.026B ON NOV 14	46 400 63 300	1919
1920	---	---	---	---	1920
1921	---	90.9 ON MAY 09	0.249B ON JAN 25	177 000	1921
1922	---	32.3 B ON APR 16	0.006B ON DEC 25	41 900	1922
1923	---	2.41 ON JUN 06	0 B ON MAR 26 *	---	1923
1924	---	9.31 ON JUL 11 3.96B ON APR 28	---	---	1924
1925	---	---	---	---	1925
1926	46.4 AT 07:35 MST ON JUN 23	55.2 ON APR 10	0.020B ON MAR 16	70 100	1926
1927	78.4 ON JUL 10	46.2 ON JUN 23	0.609B ON FEB 17	163 000	1927
1928	---	75.6 ON JUL 11	0.991B ON FEB 17	260 000	1928
1929	---	53.0 B ON MAR 26 8.67B ON APR 18	0.479B ON DEC 20 0.040B ON FEB 07	149 000 33 100	1929
1930	---	---	---	---	1930
1931	---	1.53B ON APR 02	0.037B ON FEB 24	---	1931
1932	---	---	0 B ON NOV 19	---	1932
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	17.4 B ON APR 26	0 B ON MAR 01	---	1968
1969	---	---	0 A ON JUL 05	---	1969
1970	---	66.0 B ON APR 10	0 ON AUG 30	---	1970
1971	55.5 AT 18:00 MST ON APR 16	31.7 ON APR 12	---	---	1971
1972	---	53.5 ON APR 16	---	---	1972
1973	29.2 AT 24:00 MST ON JUL 04	17.8 B ON APR 09	0.076B ON FEB 01	38 900	1973
1974	108 AT 11:00 MST ON APR 19	27.8 ON JUL 05 104 ON APR 19	0.059B ON FEB 09 0.113B ON DEC 18	79 700 160 000	1974
1975	---	---	---	---	1975
1976	---	20.0 B ON APR 22	0.024 ON SEP 29	45 300	1976
1977	11.0 AT 13:00 MST ON MAY 31	11.1 B ON APR 10	0.017 ON AUG 14	14 600	1977
1978	13.8B AT 04:30 MST ON APR 01	9.88 ON MAY 31	0.009 ON JUL 27	21 100	1978
1979	15.6 AT 13:00 MST ON APR 22	12.7 B ON APR 01 15.2 ON APR 22	0.023B ON JAN 21 0.073A ON JUL 25	29 600 35 200	1979
1980	17.3 AT 07:00 MST ON JUL 04	14.4 ON JUL 04	0.065B ON MAR 18	60 000	1980
1981	65.3 AT 05:15 MST ON AUG 02	63.7 ON AUG 02	0.360B ON FEB 18	113 000	1981
1982	90.7 AT 02:21 MST ON APR 24	89.3 ON APR 24	0.280B ON MAR 03	164 000	1982
1983	---	21.3 B ON APR 04	0.033 ON SEP 10	72 800	1983
1984	11.1 AT 15:27 MST ON SEP 25	9.76 ON JUN 11	0.001 ON AUG 02	33 100	1984
1985	---	---	---	---	1985
1986	47.5 AT 13:55 MST ON JUL 21	54.5 B ON APR 04	0.093 ON JUL 30	67 400	1986
1987	---	45.7 ON JUL 21	0.120B ON FEB 21	97 900	1987
1988	---	27.3 B ON APR 06	0.062B ON DEC 31	55 300	1988
1989	---	50.0 E ON JUL 09 33.4 B ON APR 15	0.029B ON JAN 13 0.052B ON FEB 18	35 100 66 200	1989
1990	291 AT 18:20 MST ON JUL 04 *	202 ON JUL 04 *	0.135B ON DEC 31	205 000	1990
				98 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	14.5 R	7.17R	3.93	3.28	1.04	7.45R	4.13R	---	---	---	1978
1979	---	---	---	---	---	---	---	---	---	---	---	0.639	---	1979
1980	0.566	0.382	0.545	23.7	11.9	5.81	9.39	6.69	8.53	10.9	6.92	3.00	7.35	1980
1981	1.89	1.58	8.29	22.1	8.83	6.96	3.18	5.53	10.4	5.05	3.88	2.38	6.66	1981
1982	1.40	1.40	1.23	8.73	47.4	14.8	23.7	24.9	8.93	7.18	4.95	2.79	12.4	1982
1983	2.26	1.86	4.43	26.9	17.0	8.02	40.5	12.8	4.68	2.85	2.39	1.76	11.4	1983
1984	1.00	1.19	2.90	14.2	5.16	6.06	2.97	0.975	1.48	2.13	0.914	0.810	3.30	1984
1985	0.831	0.533	4.71	56.1	30.7	7.59	2.37	1.56	1.69	1.53	0.432	0.323	9.03	1985
1986	0.459	0.552	11.0	28.1	11.5	11.2	7.83	12.0	5.81	3.47	3.63	1.88	8.31	1986
1987	1.27	1.29	2.08	39.9	13.1	5.22	3.31	3.58	5.89	3.38	2.12	0.990	6.82	1987
1988	0.310	0.284	1.52	8.52	3.40	1.82	2.62	1.42	1.29	1.39	1.01	0.688	2.02	1988
1989	0.655	0.446	0.378	15.3	14.5	7.69	5.48	2.00	1.39	1.16	0.993	1.07	4.27	1989
1990	1.11	0.582	8.39	41.7	14.9	15.2	35.2	32.4	6.63	3.78	2.11	1.16	13.7	1990
MEAN	1.07	0.918	4.13	25.0 R	15.5 R	7.86	12.5	8.74	5.35R	4.07R	2.67	1.46	7.75 R	MEAN

LOCATION - LAT 52 51 23 N
LONG 110 01 06 W
DRAINAGE AREA, 24 800 km^2
REGULATED SINCE 1973

R - REVISED SINCE JAN 01 1989

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	53.2 AT 20:06 CST ON APR 16	46.3B ON APR 16	0.192B ON FEB 20	233 000	1980
1981	---	33.9B ON APR 05	1.23 B ON FEB 18	410 000	1981
1982	57.9 AT 18:21 CST ON MAY 13	57.6 ON MAY 13	1.03 B ON JAN 05	391 000	1982
1983	79.4 AT 10:12 CST ON JUL 09	78.7 ON JUL 09	1.27 B ON DEC 30	359 000	1983
1984	---	21.0B ON APR 06	0.465 ON SEP 07	104 000	1984
1985	---	74.5B ON APR 04	0.145B ON NOV 30 *	285 000	1985
1986	---	55.2B ON APR 03	0.231B ON JAN 03	262 000	1986
1987	95.7 AT 08:48 CST ON APR 09 *	92.7 ON APR 09 *	0.579B ON DEC 31	215 000	1987
1988	16.0 AT 22:52 CST ON APR 14	16.7 ON APR 15	0.247B ON FEB 02	63 900	1988
1989	24.1 AT 23:09 CST ON APR 16	22.0 ON APR 17	0.266B ON MAR 28	135 000	1989
1990	82.2B AT 12:56 CST ON APR 02	76.7B ON APR 03	0.433B ON FEB 03	431 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		244 000	MEAN

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.283	0.352	1.97	0.402	0.004	0	0	0	---	---	0.378	1967
1968	---	---	0.081	0.094	0.239	0.135	0.032	0	0.054	0.096	---	---	0.091	1968
1969	---	---	0.264	0.307	0.063	0.022	0.041	0	0	0	---	---	0.087	1969
1970	---	---	0.007	0.039	0.200	0.229	0.021	0	0	0	---	---	0.062	1970
1971	---	---	0.039	0.158	0.114	0.255	0.005	0	0	0	---	---	0.070	1971
1972	---	---	0.142	0.067	0.044	0.003	0	0	0	0	---	---	0.032	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.006	0.001	0.150	0.062	0	0	0	0	---	---	0.027	1974
1975	---	---	0	0.406	1.38	0.925	0.102	0.012	0.001	0.013	---	---	0.353	1975
1976	---	---	0.116	0.072	0.088	0.058	0.010	0	0	0	---	---	0.043	1976
1977	---	---	0	0.016	0.004	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.953	0.270	0.376	0.078	0.040	0	0.011	0.019	---	---	0.220	1978
1979	---	---	0.578	0.544	0.672	0.051	0	0	0	0	---	---	0.231	1979
1980	---	---	0.006	0.016	0.010	0.007	0	0	0	0	---	---	0.005	1980
1981	---	---	0.001	0	0.293	0.058	0.020	0	0	0	---	---	0.047	1981
1982	---	---	0.056	0.188	0.085	0.684	0.069	0	0	0	---	---	0.133	1982
1983	---	---	0.050	0.029	0.209	0.041	0.027	0	0	0	---	---	0.045	1983
1984	---	---	0	0.005	0.010	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.002	0.055	0.101	0.044	0	0	0	0.002	---	---	0.025	1985
1986	---	---	0.111	0.071	0.299	0.063	0	0	0	0	---	---	0.068	1986
1987	---	---	0.042	0.063	0.001	0	0	0	0	0	---	---	0.013	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.086	0.027	0.054	0.294	0.019	0	0	0	---	---	0.059	1989
1990	---	---	0.167	0.305	0.594	0.260	0.018	0	0	0	---	---	0.168	1990
MEAN	---	---	0.125	0.129	0.290	0.153	0.017	0.001	0.003	0.005	---	---	0.090	MEAN

LOCATION - LAT 49 01 30 N LONG 111 12 48 W DRAINAGE AREA, 87.3 km^2 REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 26 *	---	1966
1967	9.26 AT 04:30 MST ON MAY 09	6.40 ON MAY 09 *	0 ON JUL 07	8 000	1967
1968	0.623 AT 19:45 MST ON MAY 25	0.413 ON MAY 13	0 ON JUL 22	1 940	1968
1969	1.34 B AT 07:00 MST ON MAR 19	1.27 B ON MAR 19	0B ON MAR 07	1 840	1969
1970	1.47 AT 02:57 MST ON JUN 18	1.31 ON JUN 18	0 ON MAR 01	1 300	1970
1971	2.89 A ON JUN 07	1.83 A ON JUN 08	0 ON JUL 16	1 490	1971
1972	1.09 AT 19:00 MST ON MAR 10	0.688 ON MAR 11	0 ON MAR 01	679	1972
1973	---	0.003 ON MAR 01	0 ON MAR 03	0.346	1973
1974	0.631 AT 05:05 MST ON MAY 28	0.566 ON MAY 28	0 ON MAR 04	580	1974
1975	10.0 AT 09:30 MST ON JUN 20 *	5.47 ON JUN 20	0 ON MAR 01	7 480	1975
1976	0.940 AT 17:50 MST ON MAR 18	0.833 ON MAR 18	0 ON JUL 22	908	1976
1977	0.164 AT 09:35 MST ON APR 08	0.125 ON APR 07	0E ON MAR 01	51.6	1977
1978	---	4.39 B ON MAR 21	0B ON MAR 01	4 650	1978
1979	5.11 B AT 19:50 MST ON MAR 07	3.77 B ON MAR 07	0 ON JUN 30	4 890	1979
1980	0.568B AT 04:15 MST ON FEB 27	0.162 ON APR 16	0B ON MAR 01	104	1980
1981	1.07 AT 04:55 MST ON MAY 18	0.991 ON MAY 18	0 ON MAR 01	992	1981
1982	4.74 AT 15:55 MST ON JUN 01	2.56 ON JUN 04	0E ON MAR 01	2 820	1982
1983	0.676 AT 23:10 MST ON MAY 16	0.626 ON MAY 19	0 ON JUL 30	947	1983
1984	0.382 AT 18:20 MST ON MAY 15	0.052 ON MAY 15	0 ON MAR 01	38.5	1984
1985	1.51 AT 15:15 MST ON MAY 31	0.600 ON MAY 31	0 ON MAR 01	538	1985
1986	0.55 AT 13:05 MST ON FEB 25	1.15 ON MAY 23	0 ON JUL 02	1 450	1986
1987	0.250 AT 06:52 MST ON APR 06	0.237 ON APR 06	0 ON MAY 12	280	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	1.27 AT 18:50 MST ON JUN 12	0.979 ON JUN 12	0B ON MAR 01	1 260	1989
1990	1.57 AT 11:45 MST ON MAY 27	1.50 ON MAY 27	0 ON JUL 18	3 550	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 910	MEAN

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	0	0	0	5.38	6.07	4.13	6.89	3.67	2.02	1.19	0.813	0.454	2.57	1983
1984	0.460	0.314	0.673	0.230	1.08	2.08	1.20	0.046	0.024	0.083	0.007	0	0.517	1984
1985	0	0	1.91	5.56	2.71	1.41	0.518	0.384	0.149	0.057	0.008	0	1.06	1985
1986	0	0.029	1.22	7.05	7.73	4.11	2.47	1.35	0.699	0.491	0.345	0.207	2.15	1986
MEAN	0.115	0.086	0.951	4.56	4.40	2.93	2.77	1.36	0.723	0.455	0.293	0.165	1.57	MEAN

LOCATION - LAT 55 12 00 N LONG 118 50 08 W DRAINAGE AREA, 1 510 km² NATURAL FLOW

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	19.7 AT 10:52 MST ON APR 17 *	19.4 ON APR 17 *	0B ON JAN 01 *	81 000	1983
1984	9.21 AT 06:00 MST ON JUN 09	8.76 ON JUN 09	0 ON AUG 22	16 300	1984
1985	13.4 B AT 05:30 MST ON APR 03	10.9 B ON APR 03	0B ON JAN 01	33 400	1985
1986	13.9 B AT 09:00 MST ON APR 06	13.3 B ON APR 06	0B ON JAN 01	67 700	1986
				49 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR RIVER NEAR VALHALLA CENTRE - STATION NO. 07GE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.926	0.617	0.021	0.002	0	0	0	0	---	---	0.196	1985
1986	---	---	1.84	1.36	0.585	0.022	0	0	0	0	---	---	0.477	1986
1987	---	---	0.002	1.20	0.006	0.034	0	0.005	0	0	---	---	0.152	1987
1988	---	---	0.335	0.138	0.001	0.131	0.279	0	0	0.001	---	---	0.111	1988
1989	---	---	0	0.472	0.012	0	0	0.021	0.031	0.004	---	---	0.066	1989
1990	---	---	0.599	0.423	0.127	1.20	0.034	0.001	0	0	---	---	0.295	1990
MEAN	---	---	0.617	0.702	0.125	0.232	0.052	0.005	0.005	0.001	---	---	0.216	MEAN

LOCATION - LAT 55 24 02 N LONG 119 22 53 W DRAINAGE AREA, 181 km² NATURAL FLOW

BEAR RIVER NEAR VALHALLA CENTRE - STATION NO. 07GE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	5.55B AT 18:00 MST ON MAR 21	5.20B ON MAR 20	0B ON MAR 01 *	4 140	1985
1986	17.9 B AT 21:30 MST ON MAR 28 *	14.0 B ON MAR 29 *	0 ON JUN 11	10 100	1986
1987	12.4 B AT 21:30 MST ON APR 04	8.13B ON APR 05	0B ON MAR 01	3 220	1987
1988	1.91 AT 19:00 MST ON JUN 17	1.11 ON JUL 08	0B ON MAR 01	2 350	1988
1989	2.45B AT 08:30 MST ON APR 13	1.88B ON APR 14	0B ON MAR 01	1 400	1989
1990	10.2 AT 21:00 MST ON JUN 13	8.13 ON JUN 14	0B ON MAR 01	6 240	1990
				4 580	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	2.60	1.94	1.81	---	---	---	0.454	---	---	---	1978
1979	---	---	---	---	1.13	0.667	0.225	0.174	0.087	---	---	---	---	1979
1980	---	---	---	---	0.479	---	---	0.301	0.109	0.217	---	---	---	1980
1981	---	---	---	0.672	4.05	0.991	5.32	2.35	0.506	---	---	---	---	1981
1982	---	---	---	---	1.55	1.40	3.61	0.758	0.353	0.422	---	---	---	1982
1983	---	---	---	2.68	1.40	0.458	1.53	0.196	0.109	0.109	---	---	0.923	1983
1984	---	---	---	---	0.271	1.20	0.038	0.026	0.132	0.136	---	---	---	1984
1985	---	---	---	---	0.765	---	0.046	0.229	1.39	0.509	---	---	---	1985
1986	---	---	---	0.698	4.13	1.46	6.66	1.04	3.26	1.97	---	---	2.76	1986
1987	---	---	---	0.985	0.358	0.210	0.607	0.822	0.281	0.180	---	---	0.492	1987
1988	---	---	---	1.07	0.186	0.239	0.316	1.46	0.892	0.421	---	---	0.654	1988
1989	---	---	---	3.66	1.14	1.52	0.635	0.675	0.810	0.383	---	---	1.25	1989
1990	---	---	---	1.91	4.61	6.77	2.74	0.698	0.252	0.236	---	---	2.45	1990
MEAN	---	---	---	1.78	1.69	1.52	1.96	0.727	0.688	0.458	---	---	1.42	MEAN

LOCATION - LAT 51 48 25 N LONG 114 42 30 W DRAINAGE AREA, 227 km² NATURAL FLOW

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	5.44 AT 03:30 MST ON JUN 21	5.10B ON APR 27	---	---	1979
1980	---	---	---	---	1980
1981	88.3 AT 22:37 MDT ON JUL 30 *	41.0 ON JUL 31	---	---	1981
1982	33.7 AT 07:54 MST ON JUL 05	24.8 ON JUL 05	---	---	1982
1983	42.3 AT 16:23 MST ON APR 25	25.4 ON APR 25	0.059 ON SEP 08	17 100	1983
1984	10.9 AT 16:55 MST ON JUN 09	9.28 ON JUN 09	---	---	1984
1985	20.8 AT 07:42 MST ON SEP 13	15.6 ON SEP 13	---	---	1985
1986	77.2 AT 05:56 MST ON JUL 18	59.8 ON JUL 18 *	0.251 ON JUN 25	51 000	1986
1987	---	4.30 ON JUL 22	0.037 ON JUN 27	9 100	1987
1988	29.9 AT 13:21 MST ON AUG 18	15.1 ON AUG 18	0.019 ON JUL 30 *	12 100	1988
1989	25.7 AT 11:33 MST ON JUN 27	16.3 ON JUN 27	0.097B ON APR 09	23 100	1989
1990	60.2 AT 17:52 MST ON JUN 02	49.1 ON JUN 02	0.178 ON SEP 26	45 400	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		26 300	MEAN

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.142	0.317	0.111	0.062	0.017	0	0	0.011	---	---	0.082	1921
1922	---	---	0.060	0.272	0.313	0.175	0.169	0.033	0.013	0.018	---	---	0.131	1922
1923	---	---	0.069	0.147	0.370	6.43	2.27	0.479	0.186	0.116	---	---	1.25	1923
1924	---	---	0.106	0.439	0.221	0.589	0.483	0.227	0.082	0.064	---	---	0.275	1924
1925	---	---	0.721	0.772	0.436	0.347	0.141	0.084	0.056	0.117	---	---	0.334	1925
1966	---	---	---	---	0.256	0.547	0.298	0.159	0.053	0.067	---	---	---	1966
1967	---	---	0.689	0.746	4.22	3.77	0.901	0.301	0.160	0.148	---	---	1.36	1967
1968	---	---	0.335	0.362	0.190	0.158	0.073	0.066	0.207	0.228	---	---	0.202	1968
1969	---	---	1.15	1.15	0.467	0.540	0.794	0.198	0.096	0.103	---	---	0.561	1969
1970	---	---	0.028	0.194	0.291	0.405	0.290	0.096	0.072	0.075	---	---	0.181	1970
1971	---	---	0.119	0.403	0.141	0.277	0.100	0.013	0.022	0.041	---	---	0.138	1971
1972	---	---	1.40	1.03	1.19	0.858	0.414	0.192	0.117	0.127	---	---	0.666	1972
1973	---	---	0.157	0.189	0.181	0.199	0.034	0.010	0.016	0.026	---	---	0.101	1973
1974	---	---	1.08	0.609	0.712	0.649	0.277	0.191	0.099	0.077	---	---	0.462	1974
1975	---	---	0.063	0.711	0.865	1.50	0.918	0.378	0.189	0.137	---	---	0.593	1975
1976	---	---	0.603	0.227	0.136	0.148	0.051	0.858	0.236	0.138	---	---	0.301	1976
1977	---	---	0.164	0.131	0.061	0.028	0.004	0.017	0.025	0.028	---	---	0.057	1977
1978	---	---	1.30	0.270	0.607	1.05	0.621	0.322	0.271	0.154	---	---	0.575	1978
1979	---	---	0.560	0.700	1.05	0.510	0.186	0.099	0.054	0.055	---	---	0.402	1979
1980	---	---	0.150	0.228	0.088	0.119	0.020	0.008	0.016	0.031	---	---	0.082	1980
1981	---	---	0.095	0.068	0.452	0.704	0.332	0.136	0.050	0.055	---	---	0.236	1981
1982	---	---	0.076	0.242	0.066	0.100	0.046	0	0	0.009	---	---	0.067	1982
1983	---	---	0.074	0.083	0.055	0.024	0.013	0	0	0	---	---	0.031	1983
1984	---	---	0.038	0.052	0.019	0.005	0	0	0	0	---	---	0.014	1984
1985	---	---	0.027	0.034	0.002	0	0	0	0.004	0.050	---	---	0.015	1985
1986	---	---	0.190	0.154	0.266	0.188	0.055	0.003	0.018	0.036	---	---	0.114	1986
1987	---	---	0.066	0.098	0.010	0.001	0.002	0.013	0.004	0.007	---	---	0.025	1987
1988	---	---	0.073	0.041	0.011	0.003	0	0	0	0	---	---	0.016	1988
1989	---	---	0.008	0.117	0.030	0.061	0.008	0	0.001	0	---	---	0.028	1989
1990	---	---	0.087	0.069	0.463	0.696	0.135	0.066	0.005	0.015	---	---	0.191	1990
MEAN	---	---	0.332	0.340	0.443	0.671	0.288	0.131	0.068	0.064	---	---	0.293	MEAN

LOCATION - LAT 49 38 21 N DRAINAGE AREA, 256 km^2
LONG 113 47 38 W REGULATED

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.850B ON APR 02	0 ON JUL 11 *	1 740	1921
1922	---	1.08 ON APR 28	0 B ON MAR 01	2 780	1922
1923	15.7 ON JUN 01	14.5 ON JUN 01 *	0.023B ON MAR 10	26 400	1923
1924	---	3.23 ON APR 07	0.042 ON OCT 30	5 830	1924
1925	---	3.40 B ON MAR 27	0.011 ON SEP 04	7 060	1925
1966	---	---	---	---	1966
1967	14.6 AT 19:15 MST ON MAY 08	0.892 ON JUN 05	---	28 900	1967
1968	0.980 AT 22:50 MST ON SEP 23	8.78 ON MAY 08	0 B ON MAR 11	4 270	1968
1969	---	0.651 ON SEP 26	0.024 ON AUG 06	11 900	1969
		4.42 B ON MAR 17	0.037B ON MAR 01		
1970	1.85 AT 01:40 MST ON JUN 14	1.55 ON JUN 14	0 B ON MAR 01	3 830	1970
1971	1.50 AT 00:00 MST ON JUN 06	0.923B ON MAR 30	0 ON AUG 16	2 930	1971
1972	---	5.86 ON MAR 16	0.006B ON MAR 01	14 100	1972
1973	0.629 AT 22:45 MST ON APR 25	0.479 ON MAY 26	0 ON AUG 05	2 140	1973
1974	21.4 B AT 17:20 MST ON MAR 27	6.91 B ON MAR 27	0.014B ON MAR 04	9 790	1974
1975	9.68 AT 01:00 MST ON JUN 20	6.20 ON JUN 20	0.022B ON MAR 15	12 600	1975
1976	26.5 AT 09:20 MST ON AUG 05	6.63 ON AUG 05	0.008B ON MAR 02	6 370	1976
1977	0.680 AT 22:30 MST ON APR 05	0.379 ON APR 06	0 ON JUL 07	1 200	1977
1978	---	4.22 B ON MAR 17	0.002B ON MAR 01	12 200	1978
1979	2.41 B AT 16:10 MST ON MAR 10	1.86 B ON MAR 10	0.003B ON MAR 03	8 500	1979
1980	---	0.704B ON MAR 01	0 ON JUL 28	1 740	1980
1981	3.25 AT 03:30 MST ON JUN 14	2.64 ON JUN 14	0.032 ON SEP 19	5 000	1981
1982	1.07 AT 21:45 MST ON APR 12	0.943 ON APR 12	0 B ON MAR 01	1 410	1982
1983	---	0.185B ON MAR 10	0 ON AUG 02	655	1983
1984	0.146 AT 14:25 MST ON APR 18	0.083 ON APR 06	0 ON JUN 30	299	1984
1985	0.645 AT 08:59 MST ON SEP 12	0.099 ON APR 03	0 ON MAR 01	313	1985
1986	40.0 E ON FEB 24 *	0.486 ON MAR 01	0 ON AUG 19	2 400	1986
1987	0.615 AT 20:11 MST ON APR 03	0.305 ON APR 04	0 ON JUN 07	530	1987
1988	0.251 AT 15:50 MST ON MAR 23	0.147 ON MAR 22	0 ON JUN 03	338	1988
1989	0.300 AT 04:55 MST ON APR 16	0.249 ON APR 16	0 B ON MAR 01	584	1989
1990	5.51 AT 15:05 MST ON JUL 25	1.65 ON MAY 30	0 ON SEP 16	4 050	1990
				6 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	2.45	1.48	0.283	0.369	2.28	0.578	---	---	---	1911
1912	---	---	---	1.25	0.894	0.408	0.371	0.153	0.090	0.130	---	---	---	1912
1913	---	---	---	---	1.45	0.558	0.197	0.111	0.072	0.095	---	---	---	1913
1914	---	---	---	0.664	0.669	0.359	0.170	0.089	0.097	0.424	---	---	---	1914
1915	---	---	---	0.596	2.79	2.16	0.950	0.463	0.342	0.422	---	---	---	1915
1916	---	---	0.713	1.39	1.52	1.76	0.834	0.249	0.141	0.159	---	---	---	1916
MEAN	---	---	0.713	0.975	1.63	1.12	0.468	0.239	0.505	0.301	---	---	---	MEAN

LOCATION - LAT 49 28 30 N LONG 114 09 30 W
DRAINAGE AREA, 62.4 km^2
NATURAL FLOW

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	7.42 ON MAY 16 *	---	---	1911
1912	---	2.49 ON APR 11	---	---	1912
1913	---	3.45 ON APR 21	---	---	1913
1914	---	1.27 ON APR 20	---	---	1914
1915	---	5.72 ON MAY 18	---	---	1915
1916	---	2.09 ON MAY 30	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	
1976	0.004	0	0.007	1.19	0.412	0.401	0.392	2.60	2.31	0.738	0.199	0.076	---	1975
1977	0	0	0.008	0.922	1.16	0.950	0.552	0.551	0.215	1.11	0.185	0.011	1.05	1976
1978	0.031	0.007	0	0.702	1.24	0.511	0.141	0.446	4.71	0.333	0.158	0.054	0.585	1977
1979	0.046	0.023	0.031	0.644	3.96	0.759	0.332	0.568	1.34	1.25	0.330	0.083	1.11	1978
										0.481	0.325	0.120	1.02	1979
1980	0.060	0.003	0.019	0.734	0.208	0.165	0.272	3.31	1.49	0.550	0.226	0.026	0.844	1980
1981	0.041	0.038	0.125	0.485	0.672	0.493	0.480	0.071	0.017	0.046	0.086	0.060	0.299	1981
1982	0.024	0.017	0.021	0.681	1.66	0.271	0.258	0.339	0.213	0.194	0.087	0.057	0.455	1982
1983	0.041	0.043	0.081	0.961	0.602	0.314	0.142	0.075	0.059	0.087	0.034	0.017	0.288	1983
1984	0.006	0.005	0.011	0.320	0.457	2.02	0.419	0.196	0.207	0.271	0.132	0.101	0.483	1984
1985	0.055	0.047	0.057	0.609	5.00	0.521	0.264	0.109	0.264	0.296	0.188	0.044	0.895	1985
1986	0.030	0.020	0.068	0.264	1.95	0.577	1.56	0.722	0.208	0.212	0.092	0.091	0.698	1986
1987	0.113	0.096	0.190	1.06	0.893	0.849	0.468	0.525	0.446	0.409	---	---	0.603	1987
1988	---	---	0.100	0.793	1.39	3.76	5.79	0.185	0.358	0.294	---	---	1.58	1988
1989	---	---	0.046	0.460	4.11	3.21	2.90	0.282	0.351	0.641	---	---	1.50	1989
1990	---	---	0.205	1.56	5.41	4.12	0.290	0.066	0.193	0.183	---	---	1.50	1990
MEAN	0.038	0.026	0.065	0.759	1.94	1.26	0.951	0.670	0.825	0.443	0.170	0.062	0.861	MEAN

LOCATION - LAT 56 56 29 N LONG 111 33 54 W DRAINAGE AREA, 165 km² NATURAL FLOW

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---		
1976	22.3 AT 01:00 MST ON AUG 28	18.5 ON AUG 28	0 B ON MAR 01 *	---	1975
1977	---	2.83B ON APR 18	0.003B ON MAR 01	22 200	1976
1978	20.3 AT 21:21 MST ON SEP 09	17.5 ON SEP 10	0 B ON MAR 01	12 400	1977
1979	9.91 AT 03:35 MST ON MAY 12	9.13 ON MAY 12	0.021B ON MAR 01	25 600	1978
				21 500	1979
1980	22.7 AT 05:20 MST ON AUG 05	20.7 ON AUG 05	0 B ON MAR 01	17 900	1980
1981	1.44 AT 18:35 MST ON MAY 07	1.40B ON APR 30	0.001E ON SEP 18	6 330	1981
1982	3.18 AT 03:46 MST ON MAY 03	2.96 ON MAY 03	0.016B ON MAR 01	9 630	1982
1983	2.67 AT 11:13 MST ON APR 23	2.10B ON APR 20	0.025 ON SEP 05	6 090	1983
1984	15.4 AT 15:03 MST ON JUN 02	13.8 ON JUN 02	0.005B ON MAR 01	10 200	1984
1985	26.5 AT 10:23 MST ON MAY 06	25.7 ON MAY 06	0.042B ON MAR 14	18 900	1985
1986	5.41 AT 11:23 MST ON MAY 24	5.24 ON JUL 31	0.033B ON MAR 01	14 800	1986
1987	2.66 AT 13:25 MST ON APR 16	1.93 ON JUN 08	0.077B ON MAR 08	12 800	1987
1988	36.0 AT 09:18 MST ON JUL 07 *	33.0 ON JUL 07 *	0.086B ON MAR 28	33 500	1988
1989	18.1 AT 20:07 MST ON MAY 21	16.4 ON MAY 21	0.039B ON MAR 25	31 800	1989
1990	15.1 AT 19:30 MST ON JUN 12	14.7 ON JUN 13	0.035E ON AUG 21	31 700	1990
				18 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	10.2	3.33	2.11	---	1955
1956	2.18	2.65	2.80	77.8	95.1	60.3	111	49.8	41.1	41.0	23.0	9.30	43.2	1956
1957	4.76	2.94	3.09	30.2	39.7	16.1	15.0	12.7	11.3	18.1	13.1	6.95	14.7	1957
1958	5.75	5.07	4.95	86.6	52.4	19.9	7.73	3.50	7.39	10.6	5.92	2.03	17.6	1958
1959	1.29	1.11	2.25	17.1	14.0	16.2	26.9	11.8	42.2	33.8	23.1	7.14	16.4	1959
1960	3.93	0.912	1.87	37.0	67.6	78.9	71.4	97.0	77.8	40.7	25.5	15.5	43.3	1960
1961	10.2	7.04	8.26	43.2	79.4	31.9	24.5	32.3	7.49	4.18	4.92	2.01	21.4	1961
1962	1.80	1.94	2.35	36.4	69.9	284	145	87.0	37.7	28.5	23.3	10.4	60.8	1962
1963	7.07	5.52	5.93	119	112	44.5	20.0	9.81	7.45	5.89	2.48	1.42	28.0	1963
1964	0.888	0.604	1.70	15.2	32.1	12.3	6.10	10.5	21.9	20.2	9.24	3.50	11.2	1964
1965	3.88	3.37	2.69	26.5	85.0	118	53.8	15.5	29.7	18.4	11.2	7.44	31.4	1965
1966	3.25	3.59	4.90	48.2	34.7	46.5	20.4	16.9	26.0	10.4	7.55	4.42	18.9	1966
1967	4.56	4.07	3.75	17.2	72.6	23.6	10.3	10.6	3.93	3.43	3.90	1.64	13.4	1967
1968	1.30	1.80	3.81	12.3	7.89	6.29	4.03	4.25	11.6	24.2	10.6	3.20	7.61	1968
1969	1.94	1.85	3.78	60.4	60.8	25.2	11.9	13.8	14.8	24.5	11.3	6.97	21.5	1969
1970	4.01	3.16	3.69	53.3	40.9	21.8	164	71.1	63.5	53.7	34.1	17.6	44.5	1970
1971	11.8	9.80	9.69	112	100	57.2	137	47.7	18.2	11.8	8.13	5.25	44.3	1971
1972	3.59	3.72	4.38	40.4	77.0	20.2	9.72	7.57	5.02	7.00	4.43	2.19	15.5	1972
1973	2.54	3.59	2.51	15.4	21.4	53.4	39.4	50.3	54.5	46.1	27.1	17.8	27.9	1973
1974	10.9	8.91	8.67	154	248	81.0	45.1	23.9	21.8	19.8	12.3	7.81	53.7	1974
1975	6.20	6.46	6.00	42.0	82.7	58.5	82.8	39.0	36.1	19.4	11.3	8.02	33.4	1975
1976	7.90	6.89	6.05	36.1	17.5	18.0	65.1	28.5	26.7	13.4	6.62	3.76	19.7	1976
1977	4.72	4.70	4.33	21.3	33.4	22.5	15.3	20.7	14.3	22.1	10.2	4.86	15.2	1977
1978	4.99	4.99	5.49	33.0	40.2	85.7	20.3	9.79	32.7	29.9	11.4	7.35	21.8	1978
1979	5.82	5.13	8.19	40.4	81.6	68.1	41.4	19.6	18.3	13.7	8.14	4.53	26.3	1979
1980	3.80	3.03	3.05	32.6	12.5	7.41	4.64	29.4	31.8	27.7	11.7	5.99	14.5	1980
1981	4.50	4.78	9.54	24.5	15.5	8.98	23.7	9.25	3.66	2.98	2.70	2.16	9.39	1981
1982	1.50	1.40	1.59	12.4	26.0	11.2	10.3	7.03	4.72	3.47	2.27	1.90	7.02	1982
1983	2.09	1.93	2.13	8.73	8.58	7.24	18.3	11.3	5.77	6.53	4.95	3.04	6.75	1983
1984	1.96	2.08	3.87	15.7	16.7	46.4	15.0	6.56	5.68	7.76	7.08	4.32	11.1	1984
1985	2.71	2.28	2.89	36.6	77.6	22.6	9.27	3.21	2.31	3.03	1.99	0.989	13.9	1985
1986	1.39	1.66	3.00	16.2	15.9	9.76	33.4	31.3	5.64	3.54	2.39	2.58	10.7	1986
1987	2.28	2.64	2.89	45.3	26.3	18.1	7.63	5.09	4.50	2.97	2.00	1.27	10.1	1987
1988	1.12	0.877	1.55	9.89	6.92	7.82	26.6	13.5	10.2	5.13	3.10	2.44	7.46	1988
1989	2.22	1.70	1.98	9.51	12.0	19.1	10.8	4.76	7.29	7.85	3.49	2.52	6.95	1989
1990	2.83	2.49	2.76	26.2	32.7	11.2	11.7	3.20	1.94	2.38	1.68	1.27	8.38	1990
MEAN	4.05	3.56	4.17	40.8	51.9	41.3	37.7	23.4	20.4	16.8	9.87	5.32	21.7	MEAN

LOCATION - LAT 54 21 15 N DRAINAGE AREA, 14 500 km²
LONG 110 13 00 W NATURAL FLOW

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 06AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	---	---	---	1955
1956	---	214 ON APR 26	1.98 B ON JAN 01	1 360 000	1956
1957	---	82.4 ON APR 27	2.10 B ON MAR 01	464 000	1957
1958	118 AT 14:00 MST ON APR 11	116 ON APR 11	1.76 B ON DEC 20	556 000	1958
1959	62.9 AT 08:30 MST ON SEP 07	62.6 ON SEP 07	0.963B ON FEB 17	519 000	1959
1960	---	154 ON AUG 03	0.566B ON FEB 17	1 370 000	1960
1961	105 AT 18:00 MST ON APR 28	105 ON APR 28	1.68 B ON DEC 26	675 000	1961
1962	617 AT 03:00 MST ON JUN 13 *	612 ON JUN 13 *	1.65 B ON JAN 02	1 920 000	1962
1963	---	275 ON APR 19	1.03 B ON DEC 20	884 000	1963
1964	---	41.9 ON MAY 14	0.368B ON FEB 14 *	354 000	1964
1965	---	159 ON JUN 07	2.06 B ON MAR 30	989 000	1965
1966	---	73.3 ON APR 10	2.86 B ON FEB 04	596 000	1966
1967	---	101 B ON MAY 01	1.30 ON DEC 31	422 000	1967
1968	---	36.2 ON OCT 01	1.18 B ON JAN 10	241 000	1968
1969	---	162 ON APR 20	1.44 B ON FEB 28	677 000	1969
1970	263 AT 12:38 MST ON JUL 10	261 ON JUL 10	3.00 B ON FEB 17	1 410 000	1970
1971	275 AT 18:00 MST ON APR 20	268 ON APR 25	3.54 B ON DEC 25	1 400 000	1971
1972	110 AT 10:30 MST ON MAY 03	109 ON MAY 03	1.64 B ON DEC 14	490 000	1972
1973	104 AT 06:30 MST ON JUN 23	103 ON JUN 22	1.78 B ON MAR 11	881 000	1973
1974	---	394 A ON APR 26	6.71 B ON DEC 31	1 690 000	1974
1975	159 B AT 23:00 MST ON APR 25	135 ON APR 26	5.55 B ON APR 03	1 050 000	1975
1976	99.7 AT 15:00 MST ON JUL 20	99.1 ON JUL 20	3.40 B ON DEC 15	624 000	1976
1977	70.5 AT 00:00 MST ON APR 17	51.3 ON MAY 31	4.02 B ON JAN 01	479 000	1977
1978	171 AT 04:00 MST ON JUN 06	168 ON JUN 06	4.84 B ON MAR 01	750 000	1978
1979	205 B AT 09:50 MST ON APR 26	181 B ON APR 26	4.05 B ON DEC 30	831 000	1979
1980	160 B AT 09:45 MST ON APR 16	106 B ON APR 16	2.88 B ON MAR 02	457 000	1980
1981	37.4 AT 13:30 MST ON JUL 15	37.0 ON JUL 15	1.75 B ON DEC 31	296 000	1981
1982	48.6 AT 05:00 MST ON APR 29	47.7 ON APR 29	1.20 B ON FEB 27	221 000	1982
1983	---	28.0E ON AUG 01	1.85 B ON FEB 04	213 000	1983
1984	70.9 AT 16:37 MST ON JUN 07	70.5 ON JUN 07	1.80 B ON JAN 23	350 000	1984
1985	113 AT 12:06 MST ON MAY 13	112 ON MAY 13	0.924B ON DEC 15	437 000	1985
1986	84.0 AT 19:25 MST ON JUL 26	83.4 ON JUL 26	1.04 B ON JAN 01	336 000	1986
1987	84.3 AT 05:18 MST ON APR 19	79.9 ON APR 19	1.20 B ON DEC 10	317 000	1987
1988	40.8E AT 05:55 MST ON JUL 24	40.6A ON JUL 24	0.740B ON FEB 10	236 000	1988
1989	23.2 AT 17:28 MST ON MAY 29	23.0 ON MAY 29	1.42 B ON FEB 17	219 000	1989
1990	39.7B AT 08:18 MST ON APR 07	39.1 ON MAY 14	1.06 B ON NOV 25	264 000	1990
				685 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	1.61	2.45	0.746	0.729	0.793	---	---	---	1961
1962	---	---	---	---	---	4.26	2.69	0.537	0.450	0.530	---	---	---	1962
1963	---	0.093	0.102	---	---	1.55	1.44	---	0.906	0.412	---	---	---	1963
1964	---	---	---	---	---	---	---	---	0.335	0.268	---	---	---	1964
1965	---	---	---	---	---	---	0.508	0.157	0.465	0.451	---	---	---	1965
1972	---	---	---	3.76	9.40	2.48	0.737	0.204	0.194	1.09	0.455	0.279	---	1972
1973	0.181	0.128	0.493	2.31	1.61	9.40	5.60	3.55	0.721	2.00	0.710	0.361	2.26	1973
1974	0.204	0.132	0.179	7.53	4.45	2.02	2.25	1.48	1.27	0.662	0.428	0.257	1.74	1974
1975	0.124	0.089	0.073	1.00	2.88	3.77	7.84	1.83	3.35	1.64	0.291	0.067	1.93	1975
MEAN	0.170	0.111	0.212	3.65	4.59	3.58	2.94	1.21	0.936	0.874	0.471	0.241	1.98	MEAN

LOCATION - LAT 57 06 00 N DRAINAGE AREA, 454 km²
LONG 111 38 00 W REGULATED SINCE 1975

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	20.2 ON JUN 18	0.099B ON FEB 23	71 300	1973
1974	---	21.1 ON APR 19	0.110 ON FEB 08	54 900	1974
1975	---	54.1 ON JUL 18 *	0.062B ON DEC 08 *	60 700	1975
				62 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 06AA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.331	0.440	0.427	---	---	---	1967
1968	---	---	1.66	2.37	1.16	1.19	0.372	0.470	1.15	1.94	---	---	1.29	1968
1969	---	---	---	---	13.2	4.65	1.42	2.79	4.84	5.25	---	---	---	1969
1970	---	---	0.401	20.7	8.46	3.31	43.6	21.1	12.8	11.0	---	---	15.2	1970
1971	---	---	2.55	54.4	33.6	23.1	44.5	14.1	6.18	2.82	---	---	22.8	1971
1972	---	---	0.599	17.2	22.4	6.16	2.98	1.89	1.36	1.15	---	---	6.70	1972
1973	---	---	0.515	3.19	2.94	13.6	4.22	2.61	2.44	4.87	---	---	5.11	1973
1974	---	---	1.89	54.9	51.9	16.3	11.2	6.45	5.08	4.29	---	---	18.9	1974
1975	---	---	1.41	14.8	15.4	7.44	17.0	7.48	16.0	6.15	---	---	10.7	1975
1976	---	---	2.04	14.4	5.11	2.96	7.50	1.51	1.17	0.841	---	---	4.42	1976
1977	---	---	0.656	10.0	14.6	7.67	2.01	2.35	2.72	7.56	---	---	5.94	1977
1978	---	---	2.14	20.0	13.3	37.6	5.84	2.47	16.7	12.8	---	---	14.0	1978
1979	---	---	3.82	26.0	32.8	20.2	17.7	7.71	4.41	2.18	---	---	14.3	1979
1980	---	---	0.604	11.9	2.17	1.80	0.844	3.99	3.05	2.55	---	---	3.33	1980
1981	---	---	4.34	8.96	3.37	1.85	2.73	1.11	0.343	0.174	---	---	2.85	1981
1982	---	---	0.233	4.64	2.68	0.586	0.276	0.155	0.075	0.050	---	---	1.08	1982
1983	---	---	0.029	1.74	0.524	2.11	6.93	2.90	2.42	1.95	---	---	2.33	1983
1984	---	---	2.16	5.34	3.75	14.0	1.62	0.336	0.486	0.864	---	---	3.53	1984
1985	---	---	0.542	16.6	16.7	1.76	0.490	0.119	0.013	0.135	---	---	4.53	1985
1986	---	---	1.16	3.85	1.21	0.374	7.28	4.98	0.537	0.384	---	---	2.48	1986
1987	---	---	0.489	16.0	3.73	1.60	0.281	0.575	0.407	0.173	---	---	2.87	1987
1988	---	---	0.403	0.739	0.375	0.137	0.126	0.023	0.005	0.009	---	---	0.226	1988
1989	---	---	0.011	0.178	0.114	0.192	0.042	0.266	0.045	0.071	---	---	0.115	1989
1990	---	---	0.554	4.07	0.327	0.036	0.194	0.020	0.033	0.021	---	---	0.648	1990
MEAN	---	---	1.28	14.2	10.9	7.33	7.79	3.74	3.65	2.82	---	---	6.51	MEAN

LOCATION - LAT 54 26 08 N DRAINAGE AREA, 4 710 km²
LONG 111 22 00 W NATURAL FLOW

BEAVER RIVER NEAR GOODRIDGE - STATION NO. 06AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	7.36B ON MAR 27	0.142B ON MAR 01	27 200	1968
1969	---	---	---	---	1969
1970	79.6 AT 12:20 MST ON JUL 06	79.0 ON JUL 06	0.283B ON MAR 01	322 000	1970
1971	127 AT 00:30 MST ON APR 22	126 ON APR 22	1.77 B ON OCT 27	478 000	1971
1972	34.5 AT 02:20 MST ON APR 28	34.3 ON APR 27	0.357B ON MAR 25	142 000	1972
1973	35.7 AT 10:20 MST ON JUN 20	35.4 ON JUN 20	0.113B ON MAR 01	108 000	1973
1974	148 AT 23:00 MST ON APR 19 *	143 ON APR 20 *	1.27 B ON APR 06	401 000	1974
1975	56.6 B AT 20:00 MST ON APR 23	42.8 ON APR 24	1.33 B ON MAR 24	226 000	1975
1976	---	22.9 B ON APR 09	0.575 ON OCT 07	93 600	1976
1977	26.2 AT 19:15 MST ON MAY 20	25.0 ON MAY 20	0.623B ON MAR 22	126 000	1977
1978	94.3 AT 16:15 MST ON JUN 02	92.9 ON JUN 02	0.150B ON MAR 21	396 000	1978
1979	74.6 B AT 19:30 MST ON APR 23	71.2 ON APR 24	1.60 ON OCT 25	303 000	1979
1980	29.0 B AT 13:30 MST ON APR 13	28.5 B ON APR 13	0.344 ON JUL 22	70 500	1980
1981	14.3 B AT 12:55 MST ON APR 01	14.2 B ON APR 01	0.100 ON OCT 21	60 300	1981
1982	---	15.8 B ON APR 28	0.004B ON MAR 01	22 800	1982
1983	15.5 AT 12:21 MST ON JUL 25	15.4 ON JUL 25	0.005B ON MAR 01	49 100	1983
1984	22.9 AT 13:14 MST ON JUN 04	22.8 ON JUN 04	0.030 ON AUG 30	74 800	1984
1985	29.7 AT 13:08 MST ON MAY 05	29.6 ON MAY 05	0.005 ON SEP 11	95 900	1985
1986	22.2 AT 06:32 MST ON JUL 26	22.1 ON JUL 26	0.060B ON MAR 07	52 500	1986
1987	43.7 AT 12:28 MST ON APR 14	41.5 B ON APR 14	0.075E ON OCT 30	60 800	1987
1988	1.12 AT 10:21 MST ON MAR 29	1.01B ON MAR 29	0.001 ON OCT 18 *	4 790	1988
1989	5.83 AT 01:10 MST ON JUN 25	2.64 ON AUG 08	0.001 ON JUL 24	2 430	1989
1990	---	12.5 B ON APR 02	0.001 ON JUN 22	13 700	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		138 000	MEAN

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	0.001	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.043	0.005	0.003	0.001	0	0.004	0	0	---	---	0.007	1978
1979	---	---	0.049	0.019	0.008	0.002	0	0	0	0	---	---	0.010	1979
1980	---	---	0	0.010	0.006	0.003	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0.003	0.008	0.031	0.023	0.015	0.011	---	---	0.012	1981
1982	---	---	0.011	0.098	0.010	0.012	0.012	0.006	0.005	0.003	---	---	0.019	1982
1983	---	---	0.007	0.017	0.002	0.001	0.002	0	0	0	---	---	0.004	1983
1984	---	---	0	0	0	0.003	0	0	0	0	---	---	0	1984
1985	---	---	0.020	0.007	0	0.001	0	0	0.003	0.001	---	---	0.004	1985
1986	---	---	0.006	0	0.020	0.006	0.021	0.013	0.038	0.022	---	---	0.016	1986
1987	---	---	0.020	0.042	0.006	0.001	0.006	0.003	0.001	0	---	---	0.010	1987
1988	---	---	0.002	0.006	0	0.003	0.001	0	0	0	---	---	0.002	1988
1989	---	---	0	0.006	0.002	0.003	0	0	0	0	---	---	0.001	1989
1990	---	---	0.002	0.001	0.011	0.009	0.001	0	0	0	---	---	0.003	1990
MEAN	---	---	0.011	0.015	0.005	0.004	0.005	0.003	0.004	0.002	---	---	0.007	MEAN

LOCATION - LAT 51 21 45 N DRAINAGE AREA, 45.3 km^2
LONG 114 26 20 W NATURAL FLOW

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON APR 15 *	---	1976
1977	---	0.023 ON MAY 16	0 ON MAR 01	11.4	1977
1978	0.595 AT 01:00 MST ON MAR 29	0.309 ON MAR 29	0B ON MAR 01	152	1978
1979	---	0.190B ON MAR 13	0B ON MAR 01	210	1979
1980	0.111B AT 12:00 MST ON APR 06	0.061E ON APR 06	0B ON MAR 01	48.1	1980
1981	0.537 AT 02:00 MST ON JUL 30	0.401 ON JUL 30 *	0 ON MAR 01	245	1981
1982	---	0.333B ON APR 11	0B ON MAR 01	413	1982
1983	0.326 AT 10:23 MST ON APR 25	0.115 ON APR 25	0B ON MAR 01	78.1	1983
1984	0.057 AT 04:23 MST ON JUN 09	0.045 ON JUN 09	0A ON MAR 01	10.1	1984
1985	5.05 AT 16:33 MST ON APR 24 *	0.177 ON MAR 19	0B ON MAR 01	83.6	1985
1986	0.711 AT 05:08 MST ON MAY 17	0.302 ON MAY 17	0B ON MAR 06	335	1986
1987	---	0.331B ON APR 01	0B ON MAR 01	211	1987
1988	0.142 AT 23:00 MST ON APR 01	0.066A ON APR 02	0B ON MAR 06	13.6	1988
1989	0.226B AT 10:11 MST ON APR 12	0.030B ON APR 12	0B ON MAR 01	27.7	1989
1990	0.086 AT 17:27 MST ON MAY 25	0.059 ON MAY 25	0B ON MAR 09	61.7	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		137	MEAN

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	0.154	0.082	0.013	---	---	---	---	---	---	1919
1920	---	---	---	---	0.009	---	---	---	---	---	---	---	---	1920
1925	---	---	---	0.143	0.004	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	0.143	0.056	0.082	0.013	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 34 00 N LONG 112 30 00 W DRAINAGE AREA, 2 110 km² NATURAL FLOW

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	0B ON APR 30 *	---	1920
1925	---	0.759 ON APR 15 *	0 ON APR 01	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.003	2.40	0.444	0.061	0.188	0.171	0.049	0.005	---	---	0.410	1975
1976	---	---	0.019	0.255	0.011	0.010	0.008	0	0	0	---	---	0.037	1976
1977	---	---	0.032	1.42	1.95	0.302	0.184	0.030	0.005	0.006	---	---	0.467	1977
1978	---	---	0.266	1.75	0.091	0.057	0	0.020	1.71	0.134	---	---	0.496	1978
1979	---	---	2.61	3.18	0.387	0.026	0.103	0.003	0	0.011	---	---	0.788	1979
1980	---	---	0.003	2.78	0.018	0.009	0	0.152	0.023	0.024	---	---	0.369	1980
1981	---	---	3.39	0.933	0.053	0.053	0.051	0.002	0	0.003	---	---	0.564	1981
1982	---	---	0	5.38	1.10	0.011	3.04	0.290	0.019	0.019	---	---	1.23	1982
1983	---	---	0.028	0.329	0.032	1.90	6.02	0.138	0.005	0.045	---	---	1.31	1983
1984	---	---	0.804	0.296	0.032	0.032	0.018	0	0.014	0.030	---	---	0.154	1984
1985	---	---	1.17	2.47	0.139	0.437	0.124	0.001	0	0.003	---	---	0.538	1985
1986	---	---	2.94	0.397	0.033	0.002	3.79	0.194	0.004	0.007	---	---	0.930	1986
MEAN	---	---	0.939	1.78	0.358	0.408	1.13	0.083	0.152	0.024	---	---	0.608	MEAN

LOCATION - LAT 53 53 21 N LONG 112 56 57 W DRAINAGE AREA, 2 930 km² NATURAL FLOW

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	8.21B ON APR 22	0 ON JUN 13 *	8 690	1975
1976	---	1.46B ON APR 05	0 ON MAY 07	787	1976
1977	---	10.6 ON MAY 30	0 ON JUN 21	9 880	1977
1978	---	4.79 ON SEP 20	0 ON JUN 26	10 500	1978
1979	---	9.00B ON MAR 23	0E ON AUG 14	16 700	1979
1980	15.7 B AT 00:25 MST ON APR 14	13.0 B ON APR 14	0B ON MAR 01	7 800	1980
1981	14.4 AT 10:00 MST ON MAR 18	11.4 B ON MAR 18	0 ON JUN 25	11 900	1981
1982	46.4 AT 07:10 MST ON APR 27	24.6 ON APR 27	0B ON MAR 01	26 000	1982
1983	78.7 AT 01:10 MST ON JUN 26 *	34.5 ON JUN 26	0 ON MAY 26	45 000	1983
1984	4.08 AT 13:30 MST ON MAR 29	4.02B ON MAR 29	0 ON JUL 03	27 800	1984
1985	12.1 B AT 23:40 MST ON APR 03	10.6 B ON APR 03	0 ON AUG 05	3 250	1985
1986	60.5 AT 07:16 MST ON JUL 20	48.6 ON JUL 20 *	0 ON JUN 21	11 400	1986
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		19 700	
				12 900	MEAN

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	6.55	5.99	3.72	14.7	1.78	0.604	0.223	0.427	---	---	4.21	1968
1969	---	---	0.007	26.1	16.6	1.79	0.823	0.022	2.44	2.80	---	---	6.28	1969
1970	---	---	4.12	14.5	7.60	2.01	0.125	0.001	0	0.006	---	---	3.52	1970
1971	---	---	0	8.46	4.30	15.1	21.4	2.03	0.292	0.533	---	---	6.49	1971
1972	---	---	4.68	21.4	23.9	5.86	0.990	0.253	0.134	3.59	---	---	7.58	1972
1973	---	---	0.156	27.9	11.3	2.11	0.429	0.016	0.002	0.171	---	---	5.17	1973
1974	---	---	0.072	34.7	39.6	4.21	0.557	0.090	0.045	0.082	---	---	9.88	1974
1975	---	---	0.008	6.86	6.41	1.01	0.061	0	0	0	---	---	1.78	1975
1976	---	---	0.001	15.0	3.43	4.40	8.97	15.2	3.55	1.18	---	---	6.45	1976
1977	---	---	0.272	15.1	20.5	15.3	3.63	0.904	0.310	1.27	---	---	6.13	1977
1978	---	---	1.14	4.65	2.68	1.07	0.273	0.043	0.050	0.171	---	---	1.25	1978
1979	---	0	0.531	10.6	15.3	6.25	1.55	0.097	0.007	0.001	0.002	0.001	4.28	1979
1980	0	0	0.013	2.43	0.472	1.11	1.38	0.217	0.985	0.797	0.570	1.22	0.918	1980
1981	0.112	0.188	4.62	9.34	11.0	7.09	0.226	0.001	0	0	0.001	0.001	4.01	1981
1982	0	0	0	5.52	5.74	0.779	2.89	14.3	1.08	0.913	0.403	0.390	3.93	1982
1983	0.196	0.100	0.138	17.3	8.41	2.67	13.9	3.17	0.204	0.127	0.153	0.132	5.73	1983
1984	0.184	0.217	0.500	0.508	1.70	2.91	0.443	0.018	0.016	0.062	0.059	0.012	0.764	1984
1985	0.001	0	1.56	2.49	0.437	0.031	0.006	0	0.001	0.004	0	0	0.562	1985
1986	0	0.125	5.75	7.13	6.77	1.81	0.180	0.015	0.002	0.005	0.021	0.015	2.71	1986
1987	0.002	0	0.001	6.61	0.306	0.693	0.030	1.06	0.116	0.036	---	---	1.09	1987
1988	---	---	0.677	0.855	0.063	0.592	0.297	0.005	0.001	0	---	---	0.309	1988
1989	---	---	0.001	1.76	0.054	0.044	0.244	0.555	0.551	0.477	---	---	0.457	1989
1990	---	---	4.39	3.23	3.31	26.1	2.14	0.100	0.010	0.013	---	---	4.86	1990
MEAN	0.062	0.070	1.53	10.8	8.42	5.11	2.70	1.68	0.436	0.551	0.151	0.221	3.89	MEAN

LOCATION - LAT 55 11 21 N DRAINAGE AREA, 1 610 km²
LONG 119 26 08 W NATURAL FLOW

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	51.5 AT 18:00 MST ON JUN 17	50.4 ON JUN 17	0.127 ON SEP 14	89 200	1968
1969	65.4 AT 03:00 MST ON APR 15	62.6 ON APR 15	0 ON AUG 23 *	133 000	1969
1970	---	19.9 B ON MAR 29	0 ON AUG 08	74 500	1970
1971	63.4 AT 02:00 MST ON JUL 16	61.4 ON JUL 16	0 B ON MAR 01	137 000	1971
1972	59.7 E ON APR 30	58.9 E ON APR 30	0 B ON MAR 01	160 000	1972
1973	62.6 AT 08:00 MST ON APR 11	59.7 ON APR 12	0 ON AUG 09	110 000	1973
1974	104 AT 09:00 MST ON APR 25	102 ON APR 25	0.021 ON SEP 30	209 000	1974
1975	---	21.6 B ON APR 19	0 ON JUL 31	37 800	1975
1976	49.8 AT 10:00 MST ON AUG 08	45.3 ON AUG 08	0 B ON MAR 01	137 000	1976
1977	37.4 AT 07:15 MST ON MAY 10	36.8 ON MAY 10	0.190B ON MAR 25	151 000	1977
1978	7.08B AT 20:30 MST ON APR 19	5.66 ON APR 22	0 ON SEP 03	26 500	1978
1979	46.6 AT 01:00 MST ON APR 28	45.6 ON APR 28	0 B ON MAR 01	90 700	1979
1980	19.6 B AT 18:30 MST ON DEC 16	4.51B ON APR 05	0 B ON MAR 01	19 400	1980
1981	49.9 AT 19:30 MST ON APR 24	49.2 ON APR 25	0 ON AUG 09	85 000	1981
1982	45.9 AT 06:30 MST ON AUG 03	42.9 ON AUG 03	0 B ON MAR 01	83 100	1982
1983	58.6 AT 23:00 MST ON APR 16	50.5 B ON APR 16	0.086B ON MAR 01	121 000	1983
1984	7.90 AT 18:30 MST ON JUN 09	7.12 ON JUN 10	0 ON AUG 29	16 200	1984
1985	10.8 B ON MAR 19	10.3 B ON MAR 19	0 B ON MAR 01	11 900	1985
1986	25.0 B AT 20:00 MST ON MAR 28	22.3 B ON MAR 28	0 ON SEP 08	57 300	1986
1987	23.3 B AT 16:00 MST ON APR 05	20.0 B ON APR 05	0 B ON MAR 01	23 000	1987
1988	2.83B AT 15:00 MST ON APR 02	1.62 ON JUN 11	0 ON AUG 20	6 540	1988
1989	6.28B AT 12:30 MST ON APR 12	4.75B ON APR 12	0 B ON MAR 01	9 680	1989
1990	123 AT 21:00 MST ON JUN 15 *	113 ON JUN 15 *	0.001 ON SEP 21	103 000	1990
				82 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERTAIL CREEK NEAR HYTHE - STATION NO. 07GD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	4.89	1.81	7.36	1.11	0.045	0.007	---	---	---	1983
1984	---	---	0.185	0.197	0.978	1.25	0.305	0.001	0.002	0.012	---	---	0.364	1984
1985	---	---	0.257	0.578	0.138	0.010	0	0	0	0	---	---	0.122	1985
1986	---	---	1.16	2.85	3.50	0.774	0.134	0.002	0	0	---	---	1.05	1986
1987	---	---	0.008	2.02	0.196	0.088	0.005	0.631	0.067	0.011	---	---	0.373	1987
1988	---	---	0.117	0.134	0.024	0.145	0.025	0	0.001	0	---	---	0.055	1988
1989	---	---	0	0.269	0.011	0.041	0.121	0.405	0.391	0.035	---	---	0.158	1989
1990	---	---	0.282	1.52	2.21	20.4	0.600	0.008	0.007	0.001	---	---	3.07	1990
MEAN	---	---	0.287	1.08	1.49	3.06	1.07	0.270	0.064	0.008	---	---	0.742	MEAN

LOCATION - LAT 55 18 57 N DRAINAGE AREA, 662 km²
LONG 119 38 25 W NATURAL FLOW

BEAVERTAIL CREEK NEAR HYTHE - STATION NO. 07GD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	12.5 AT 04:10 MST ON APR 28	12.4 ON APR 28	0 ON JUN 14 *	---	1983
1984	2.82 AT 14:30 MST ON JUN 10	2.76 ON JUN 10	0 ON AUG 17	7 720	1984
1985	1.54 ON MAR 19	1.50 B ON MAR 19	0B ON MAR 01	2 580	1985
1986	4.57 AT 23:00 MST ON MAY 18	4.46 ON MAY 19	0 ON AUG 06	22 200	1986
1987	---	4.21 B ON APR 03	0B ON MAR 01	7 900	1987
1988	0.505 AT 19:00 MST ON JUN 08	0.465 ON JUN 08	0 ON MAY 12	1 170	1988
1989	1.67 AT 18:00 MST ON AUG 29	1.64 ON AUG 30	0B ON MAR 01	3 350	1989
1990	123 AT 06:00 MST ON JUN 14 *	113 A ON JUN 14 *	0B ON MAR 01	65 000	1990
				15 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEDDINGTON CREEK NEAR CALGARY - STATION NO. 05BH904

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.042	0.127	0.011	0.021	0.021	---	---	---	1982
1983	---	---	---	---	0.084	0.044	0.058	0.012	0.025	0.037	---	---	---	1983
1984	---	---	---	0.121	0.034	0.055	0.015	0.034	0.026	0.006	---	---	0.041	1984
1985	---	---	---	0.088	0.038	0.013	0.013	0.029	0.103	0.039	---	---	0.046	1985
1986	---	---	---	0.044	0.237	0.047	0.172	0.029	0.115	0.160	---	---	0.115	1986
1987	---	---	---	---	0.100	0.022	0.160	0.080	0.050	0.032	---	---	---	1987
1988	---	---	---	0.323	0.036	0.051	0.025	0.042	0.016	0.030	---	---	0.074	1988
1989	---	---	---	---	0.073	0.055	0.016	0.012	0.021	0.021	---	---	---	1989
1990	---	---	---	0.037	0.067	0.079	0.018	0.011	0.001	0.008	---	---	0.032	1990
MEAN	---	---	---	0.123	0.084	0.045	0.067	0.029	0.042	0.039	---	---	0.062	MEAN

LOCATION - LAT 51 12 30 N LONG 114 09 40 W DRAINAGE AREA, 250 km^2 NATURAL FLOW

BEDDINGTON CREEK NEAR CALGARY - STATION NO. 05BH904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	0.250B ON APR 01	0.002 ON AUG 27	763	1984
1985	0.719 AT 21:30 MST ON SEP 12	0.395 ON SEP 13	0.002 ON AUG 07	844	1985
1986	2.07 AT 07:40 MST ON MAY 17 *	1.09 ON MAY 20	0.006 ON JUN 27	2 130	1986
1987	---	1.93 ON JUL 26 *	---	---	1987
1988	---	1.00 E ON APR 01	0.002 ON JUL 26	1 370	1988
1989	---	---	0 ON JUL 27 *	---	1989
1990	1.82 AT 20:25 MST ON JUN 28	0.273 ON MAY 31	0 ON JUL 16	583	1990
				1 140	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0	5.50	3.72	0	0	0	0	0	0.768	1959
1960	0	0	0	0	0.002	0	3.87	2.74	1.21	0.024	1.04	1.18	0.846	1960
1961	0.628	0.785	1.07	2.81	9.41	18.5	6.31	1.43	1.13	3.01	0.041	0.025	3.77	1961
1962	0.026	0.006	0.088	0.061	11.2	18.6	6.61	2.74	0.996	4.22	3.94	2.21	4.25	1962
1963	0.013	0.031	0.048	2.77	11.8	29.9	---	---	---	0.511	1.54	1.29	---	1963
1964	0.599	0.643	1.30	3.66	2.20	3.95	0.579	1.70	2.27	5.07	1.33	0	1.94	1964
1965	0	0.002	0.008	0.085	6.08	8.10	7.13	4.52	1.77	0	0	0	2.32	1965
1966	0	0	0.016	0	1.22	6.84	4.39	0.169	0.069	0	0	0	1.06	1966
1967	0	0	0	0	0	5.00	2.86	0	0	0.036	2.60	2.01	1.06	1967
1968	1.59	1.65	2.82	2.74	16.8	15.1	10.3	5.05	0	0	0	0	5.37	1968
1969	0	0	0	0	0	3.53	5.85	8.20	16.6	1.32	0	0	2.96	1969
1970	0	0	0	0	0	12.7	17.1	13.6	0.569	0	0	0	3.70	1970
1971	0	0	0	0	0	8.03	24.8	20.5	6.87	0	0	0	5.07	1971
1972	0	0	0	0	0	1.99	18.3	1.64	12.7	11.5	4.76	0	4.25	1972
1973	0	0	0	0	26.7	34.1	21.9	14.9	3.92	1.23	1.35	0	8.42	1973
1974	0	0	0	0	0	4.41	14.6	6.23	4.65	12.0	0	0	3.53	1974
1975	0	0	0	0	0	0.935	15.0	18.4	4.60	2.18	9.19	0	4.23	1975
1976	0	0	0	0	0	19.4	27.8	2.71	4.12	4.52	0.110	0	4.91	1976
1977	0	0	0	5.84	46.0	40.9	10.5	17.3	21.8	8.35	0	0	12.6	1977
1978	0	0	0	2.79	8.26	7.83	9.51	7.87	6.67	0.343	0	0	3.63	1978
1979	0	0	0	0	0.441	20.3	34.3	11.7	7.73	3.94	0.272	0	6.61	1979
1980	0	0	0.314	16.4	44.0	14.9	17.6	13.4	12.4	8.67	0	0	10.7	1980
1981	0	1.60	7.02	12.8	11.8	9.38	35.4	16.1	12.6	22.8	0.600	0	10.9	1981
1982	0	0	0	0.536	27.9	12.5	21.5	23.3	6.58	2.60	0	0	8.01	1982
1983	0	0	0.141	14.9	16.1	54.9	40.0	23.1	5.83	1.35	0	0	13.1	1983
1984	0	0	1.27	16.4	43.6	55.7	47.3	23.6	9.07	15.2	0	0	17.7	1984
1985	0	0	0.200	18.6	26.7	45.3	40.2	18.3	21.1	23.0	0	0	16.2	1985
1986	0	0	0	2.76	14.9	38.9	32.3	11.6	20.9	16.1	0	0	11.5	1986
1987	0	0	0	9.58	48.1	44.1	36.3	24.4	18.3	4.22	0	0	15.5	1987
1988	0	0	1.53	23.5	46.4	55.2	20.6	9.64	4.10	0.129	8.24	0	14.1	1988
1989	0	0	0	27.4	61.2	64.5	51.1	25.9	15.5	4.22	0	0	20.9	1989
1990	0	0	0	0.013	7.86	28.1	53.9	31.2	15.5	13.8	0	0	12.6	1990
MEAN	0.089	0.147	0.495	5.11	15.3	21.4	21.0	11.8	7.73	5.32	1.09	0.210	7.51	MEAN

LOCATION - LAT 49 20 10 N
LONG 113 33 07 W REGULATED SINCE 1959

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	18.2 ON JUN 28	0 ON JAN 01 *	24 200	1959
1960	---	8.41 ON JUL 19	0 ON JAN 01	26 800	1960
1961	---	33.7 ON JUN 09	0 ON AUG 23	119 000	1961
1962	---	23.2 ON JUN 19	0B ON JAN 27	134 000	1962
1963	---	44.2 ON JUN 11	---	---	1963
1964	---	43.9 ON JUN 15	0B ON JAN 22	61 300	1964
1965	---	10.1 ON MAY 14	0B ON JAN 01	73 300	1965
1966	---	7.67 ON JUN 05	0 ON JAN 01	33 400	1966
1967	---	8.30 ON JUL 20	0 ON JAN 01	33 300	1967
1968	---	36.5 ON MAY 24	0 ON AUG 22	170 000	1968
1969	---	28.3 ON AUG 28	0 ON JAN 01	93 300	1969
1970	---	39.9 ON JUN 12	0 ON JAN 01	117 000	1970
1971	---	36.0 ON JUL 02	0 ON JAN 01	160 000	1971
1972	---	36.5 ON JUL 15	0 ON JAN 01	134 000	1972
1973	---	47.0 ON JUN 10	0E ON JAN 01	275 000	1973
1974	---	29.2 ON OCT 18	0E ON JAN 01	111 000	1974
1975	---	29.7 A ON NOV 06	0 ON JAN 01	133 000	1975
1976	---	47.9 ON JUL 09	---	155 000	1976
1977	---	49.8 ON MAY 04	0 ON JAN 01	398 000	1977
1978	---	24.0 ON MAY 03	0 ON JAN 01	114 000	1978
1979	---	42.4 ON JUN 28	0E ON JAN 01	209 000	1979
1980	---	57.4 ON MAY 22	0E ON JAN 01	338 000	1980
1981	---	48.8 ON JUL 21	0E ON JAN 01	344 000	1981
1982	---	40.9 ON MAY 19	0E ON JAN 01	253 000	1982
1983	---	58.7 ON JUN 09	0E ON JAN 01	412 000	1983
1984	---	61.4 ON JUN 22	0E ON JAN 01	561 000	1984
1985	---	57.4 ON JUN 21	0E ON JAN 01	510 000	1985
1986	---	56.4 ON JUN 21	0E ON JAN 01	363 000	1986
1987	---	60.3 ON MAY 14	0E ON JAN 01	489 000	1987
1988	---	61.7 ON JUN 05	0E ON JAN 01	446 000	1988
1989	---	70.2 ON JUN 10 *	0E ON JAN 01	660 000	1989
1990	---	63.9 ON JUL 07	0E ON JAN 01	399 000	1990
				237 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY - STATION NO. 05AD033

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	0.630	1.62	0.517	---	---	1947
1948	0.115	0.063	0.050	0.284	2.64	5.37	1.82	0.782	0.219	0.144	0.051	0.038	0.964	1948
1949	0.027	0.018	0.050	0.354	2.35	2.40	1.16	0.463	0.587	0.317	0.423	0.254	0.703	1949
1950	0.081	0.068	0.082	0.116	1.35	4.32	3.38	1.02	0.382	0.804	0.682	0.270	1.05	1950
1951	0.137	0.146	0.094	0.449	2.80	3.18	3.50	1.27	1.51	1.24	0.209	0.158	1.24	1951
1952	0.119	0.081	0.070	0.656	1.96	2.33	1.54	1.16	0.392	0.194	0.116	---	---	1952
1953	---	---	---	---	1.92	5.09	3.22	1.06	0.484	0.193	0.262	---	---	1953
1954	---	---	---	0.119	2.44	3.71	3.86	1.47	0.839	0.984	0.501	---	---	1954
1955	---	---	---	0.085	0.914	4.29	2.48	0.780	0.347	0.792	---	---	---	1955
MEAN	0.096	0.075	0.069	0.295	2.05	3.84	2.62	1.00	0.599	0.699	0.355	0.180	0.989	MEAN

LOCATION - LAT 48 59 20 N LONG 113 45 50 W DRAINAGE AREA, 25.1 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	10.9 ON JUN 16	10.1 ON JUN 17	0.020B ON NOV 26	30 500	1948
1949	4.13 AT 02:00 MST ON MAY 28	3.91 ON MAY 28	0.014E ON FEB 11 *	22 200	1949
1950	7.19 AT 01:00 MST ON JUN 21	6.80 ON JUN 21	0.057E ON JAN 24	33 100	1950
1951	6.46 AT 03:30 MST ON JUN 15	6.17 ON JUN 15	0.079 ON MAR 25	39 100	1951
1952	3.99 AT 13:30 MST ON JUN 12	3.74 ON JUN 12	0.065B ON MAR 20	---	1952
1953	11.8 AT 13:00 MST ON JUN 03 *	10.4 ON JUN 04 *	---	---	1953
1954	6.51 AT 23:30 MST ON MAY 19	5.66 ON MAY 19	---	---	1954
1955	7.67 AT 08:00 MST ON JUN 25	7.25 ON JUN 25	---	---	1955
				31 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AD032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	20.3	17.9	13.1	6.34	5.15	10.7	4.49	2.41	---	1947
1948	1.97	1.59	1.40	3.60	19.0	31.5	11.0	6.06	2.76	1.62	1.06	0.687	6.85	1948
1949	0.558	0.549	1.31	3.98	17.6	15.4	8.15	4.62	4.30	3.00	4.60	2.91	5.61	1949
1950	1.47	1.61	2.04	2.54	13.7	31.9	21.8	8.01	3.70	7.49	6.23	4.09	8.76	1950
1951	2.65	2.59	1.67	3.83	21.6	21.6	22.0	8.65	9.38	9.31	3.08	2.43	9.12	1951
1952	1.34	1.31	1.05	6.50	15.4	15.0	10.5	7.18	3.47	1.95	1.14	1.01	5.50	1952
1953	2.05	2.10	1.08	3.39	17.3	34.6	19.9	8.25	4.09	2.09	2.76	1.58	8.29	1953
1954	1.16	1.40	1.44	2.44	20.5	25.6	24.4	9.82	6.71	6.51	4.31	2.51	8.96	1954
1955	1.73	1.12	0.817	1.64	8.60	27.3	17.2	6.98	3.37	6.84	4.44	2.30	6.88	1955
1956	1.54	1.10	1.31	3.96	20.0	23.7	15.0	7.00	3.66	3.97	2.44	1.70	7.14	1956
1957	1.27	1.27	1.25	2.02	26.3	19.9	8.47	4.07	2.93	---	---	---	---	1957
1958	---	---	---	---	---	19.3	9.85	5.17	3.56	3.75	2.61	---	---	1958
1959	---	---	---	---	---	29.6	15.9	6.64	8.65	8.29	4.12	2.56	---	1959
1960	---	---	---	---	---	20.5	12.7	5.95	3.50	2.17	1.94	---	---	1960
1961	---	---	---	---	---	26.9	10.5	5.18	3.62	5.64	2.45	---	---	1961
1962	---	---	---	---	---	18.0	10.1	5.79	3.60	4.29	2.80	---	---	1962
1963	---	---	---	---	---	24.4	13.1	5.48	3.43	2.55	2.23	1.65	---	1963
1964	1.28	1.07	---	---	---	48.3	16.1	5.79	4.18	---	---	---	---	1964
MEAN	1.55	1.43	1.34	3.39	18.2	25.1	14.4	6.51	4.45	5.01	3.23	2.15	7.46	MEAN

LOCATION - LAT 48 59 50 N LONG 113 40 50 W DRAINAGE AREA, 192 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	32.8 ON OCT 20	---	---	1947
1948	51.3 AT 14:00 MST ON JUN 17	47.9 ON JUN 17	0.510B ON DEC 14	217 000	1948
1949	27.5 AT 14:00 MST ON MAY 28	27.4 ON MAY 28	0.340B ON FEB 12 *	177 000	1949
1950	50.1 AT 09:00 MST ON JUN 23	49.6 ON JUN 22	0.991B ON FEB 07	276 000	1950
1951	44.5 AT 15:00 MST ON JUN 24	40.2 ON JUN 25	1.27 B ON MAR 09	288 000	1951
1952	21.3 AT 01:00 MST ON OCT 03	20.5 ON MAY 21	0.708B ON MAR 26	174 000	1952
1953	69.4 AT 12:00 MST ON JUN 04	68.5 ON JUN 04	0.566B ON JAN 06	261 000	1953
1954	48.7 AT 07:30 MST ON MAY 20	48.4 ON MAY 20	0.425B ON JAN 22	283 000	1954
1955	43.6 AT 11:00 MST ON JUN 25	43.0 ON JUN 25	0.425B ON MAR 24	217 000	1955
1956	49.3 AT 06:30 MST ON MAY 22	49.0 ON MAY 22	0.566B ON MAR 07	226 000	1956
1957	37.4 AT 05:00 MST ON MAY 08	36.5 ON MAY 08	0.850B ON FEB 21	---	1957
1958	35.1 AT 00:00 MST ON JUN 10	34.0 ON JUN 10	---	---	1958
1959	44.5 AT 01:00 MST ON JUN 06	43.6 ON JUN 06	---	---	1959
1960	36.0 AT 08:00 MST ON JUN 04	35.1 ON JUN 04	---	---	1960
1961	46.2 AT 00:30 MST ON MAY 27	45.3 ON MAY 27	---	---	1961
1962	22.4 AT 06:00 MST ON JUN 19	22.0 ON JUN 19	---	---	1962
1963	37.4 AT 01:30 MST ON JUN 11	36.0 ON JUN 11	---	---	1963
1964	340 AT 19:00 MST ON JUN 08 *	232 ON JUN 08 *	---	---	1964
				235 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR GLENWOOD - STATION NO. 05AD041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	6.06	0.870	0.796	0.899	5.84	7.83	2.56	---	1985
1986	3.18	5.51	7.84	6.74	15.5	12.3	1.11	0.875	1.09	4.11	6.30	3.65	5.67	1986
1987	1.99	1.92	3.67	1.92	6.06	5.33	4.98	2.96	5.59	5.96	1.72	1.73	3.67	1987
1988	1.20	1.06	0.668	0.849	1.45	1.72	1.46	1.58	1.67	3.44	3.07	1.77	1.66	1988
1989	1.34	1.05	2.29	2.11	1.64	10.8	1.49	2.01	8.46	4.82	11.8	5.73	4.45	1989
1990	2.82	2.40	3.27	11.2	15.4	19.2	3.08	1.70	1.87	3.37	7.00	3.08	6.19	1990
MEAN	2.11	2.39	3.55	4.56	8.01	9.24	2.17	1.65	3.26	4.59	6.29	3.09	4.33	MEAN

LOCATION - LAT 49 21 08 N DRAINAGE AREA, 657 km²
LONG 113 28 49 W REGULATED SINCE 1935

BELLY RIVER NEAR GLENWOOD - STATION NO. 05AD041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	22.5 ON MAY 26	---	---	1985
1986	58.1 AT 11:30 MST ON MAY 30	56.5 ON MAY 30 *	0.594 ON AUG 17	179 000	1986
1987	49.7 AT 03:05 MST ON JUL 23	45.1 ON JUL 23	0.600B ON DEC 31	116 000	1987
1988	7.17 AT 07:15 MST ON OCT 19	7.00 ON OCT 19	0.390B ON MAR 09 *	52 600	1988
1989	59.5 AT 02:00 MST ON JUN 12 *	53.9 ON JUN 12	0.680B ON FEB 03	140 000	1989
1990	41.5 AT 13:15 MST ON MAY 31	40.3 ON MAY 31	0.999 ON OCT 11	195 000	1990
				137 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	4.06	2.53	---	1911
1912	2.56	1.33	1.29	5.72	18.7	20.3	16.2	8.19	5.01	4.53	3.88	2.46	7.54	1912
1913	1.87	1.51	1.49	6.42	20.7	40.5	17.9	11.9	5.49	6.27	4.08	2.25	10.1	1913
1914	2.21	1.84	1.85	7.17	22.6	24.6	15.2	8.04	6.58	10.8	7.69	3.20	9.35	1914
1915	2.05	1.60	1.43	7.42	17.2	26.5	17.2	10.7	9.46	9.20	5.55	2.76	9.28	1915
1916	1.50	5.73	4.91	7.03	16.1	43.1	32.7	13.5	9.09	4.00	2.05	1.76	11.9	1916
1917	1.55	1.02	0.821	2.50	24.1	40.4	24.2	7.93	4.69	4.08	2.54	1.79	9.76	1917
1918	4.23	1.95	2.32	7.24	18.9	27.9	11.7	8.09	5.65	4.67	2.53	1.98	8.11	1918
1919	1.65	1.81	2.42	5.20	23.7	18.9	9.89	6.22	3.14	2.29	1.86	2.01	6.62	1919
1920	1.73	2.44	1.43	2.28	17.5	35.1	26.7	9.52	6.76	5.58	2.95	1.58	9.47	1920
1921	2.15	2.16	3.25	8.15	25.9	35.8	17.7	7.87	5.09	5.37	4.18	4.13	10.2	1921
1922	1.86	1.24	1.49	3.09	24.9	36.1	18.1	7.53	4.31	3.67	2.75	1.93	8.95	1922
1923	1.74	1.54	1.64	4.65	21.0	39.8	16.9	9.05	4.66	6.05	2.78	2.04	9.34	1923
1924	1.39	2.65	1.51	3.06	21.8	31.0	15.9	9.52	4.69	4.15	3.42	3.19	8.53	1924
1925	2.30	2.42	2.64	10.9	33.9	31.3	16.6	8.25	7.38	4.76	2.98	2.59	10.5	1925
1926	1.66	1.52	1.58	8.48	10.2	10.7	7.94	4.82	10.0	12.9	4.70	3.23	6.49	1926
1927	1.99	2.06	1.69	7.03	24.1	55.5	28.6	14.7	14.6	10.1	5.58	3.67	14.2	1927
1928	2.46	2.08	3.50	5.34	34.2	32.3	25.4	9.29	5.53	9.38	4.24	1.77	11.3	1928
1929	1.56	1.44	1.66	3.52	19.5	25.3	14.0	5.67	3.28	3.48	2.09	2.12	7.00	1929
1930	1.51	2.36	2.13	15.0	24.3	24.5	13.3	6.26	4.21	3.01	2.11	1.20	8.34	1930
1931	0.988	5.42	1.34	2.91	19.5	14.9	7.43	5.04	3.69	2.73	3.57	1.70	5.46	1931
1932	1.11	3.64	4.22	3.12	25.8	29.0	13.2	6.35	2.78	2.78	3.01	2.63	8.48	1932
1933	1.83	1.45	1.83	3.95	20.5	41.1	18.9	7.42	4.56	8.42	7.01	3.28	10.0	1933
1934	5.43	3.46	3.28	20.2	31.3	31.5	12.8	5.64	3.24	4.40	12.4	2.92	11.4	1934
1935	3.16	5.04	2.51	3.54	18.8	23.9	14.1	6.23	3.90	2.98	3.29	1.29	7.39	1935
1936	1.19	0.899	1.24	7.63	23.4	18.3	7.36	4.41	2.83	2.21	1.11	0.768	5.96	1936
1937	0.790	0.905	0.891	3.08	17.9	38.9	12.9	4.98	2.93	4.23	4.58	2.04	7.85	1937
1938	1.71	1.54	1.52	6.96	28.6	32.7	16.6	4.95	3.26	2.92	2.41	1.51	8.75	1938
1939	1.16	0.991	2.23	8.96	19.7	15.4	9.74	3.98	2.59	2.71	2.33	2.39	6.04	1939
1940	1.51	1.27	1.21	3.95	19.5	16.3	8.15	3.89	4.40	3.57	1.84	1.67	5.62	1940
1941	1.52	0.883	0.969	5.44	12.6	12.8	8.75	3.98	5.47	6.46	3.44	3.02	5.47	1941
1942	2.84	1.76	1.42	8.14	21.3	30.3	16.7	7.69	6.97	4.72	3.08	2.90	8.99	1942
1943	2.21	2.15	1.97	12.5	19.5	32.7	24.9	8.00	3.23	2.84	1.64	1.35	9.44	1943
1944	1.17	1.16	1.07	2.23	13.1	16.1	7.59	4.73	3.26	2.62	1.82	1.29	4.68	1944
1945	1.56	1.92	1.43	2.26	21.8	33.7	15.0	4.52	5.36	4.56	3.69	2.18	8.18	1945
1946	1.30	1.81	2.47	11.7	25.9	27.5	15.1	5.29	4.07	4.53	2.98	2.37	8.74	1946
1947	1.82	1.89	2.54	9.06	28.1	25.8	16.1	6.38	5.79	13.8	4.48	2.79	10.94	1947
1948	2.10	1.86	1.71	5.48	30.5	50.3	17.2	8.67	3.24	2.17	1.37	0.981	10.5	1948
1949	0.706	0.730	1.54	5.14	23.2	21.0	10.6	5.60	5.47	3.86	3.94	3.34	7.13	1949
1950	1.71	1.79	2.35	3.56	19.2	42.4	27.3	9.80	3.21	7.22	6.90	4.64	10.9	1950
1951	2.97	3.01	1.99	6.79	31.5	32.4	24.3	11.5	12.9	12.5	4.32	3.33	13.0	1951
1952	2.06	1.75	1.52	9.49	20.8	19.2	13.3	9.26	3.55	1.99	1.49	1.84	7.20	1952
1953	2.34	2.84	1.69	5.71	26.1	52.5	26.9	9.14	4.23	1.89	3.11	2.06	11.6	1953
1954	1.33	1.87	2.08	3.50	29.8	34.5	30.0	12.0	8.38	8.92	5.44	3.11	11.8	1954
1955	2.02	1.30	1.33	2.59	14.5	40.0	23.2	8.28	3.25	7.73	5.07	2.68	9.36	1955
1956	1.88	1.38	1.64	5.50	26.9	29.7	19.7	7.85	3.62	5.10	3.07	2.61	9.11	1956
1957	1.67	1.48	1.54	2.98	36.8	25.6	10.4	3.47	2.36	4.09	4.38	2.49	8.15	1957
1958	1.71	1.98	2.50	3.93	28.1	27.3	13.2	6.07	4.13	3.46	3.91	2.22	8.32	1958
1959	3.15	1.85	1.53	6.47	20.2	37.4	18.2	7.17	8.21	10.1	4.95	2.99	10.2	1959
1960	2.15	1.70	2.73	7.12	15.8	26.6	12.8	6.30	3.33	1.29	2.06	1.52	6.95	1960
1961	1.40	2.83	1.81	3.46	21.8	31.2	10.7	5.07	3.53	7.02	3.34	1.87	7.77	1961
1962	1.76	4.34	2.12	9.22	18.2	22.7	9.96	6.15	3.13	5.34	4.33	1.53	7.41	1962
1963	1.88	4.24	2.15	5.30	15.8	32.0	16.1	4.44	2.27	2.30	2.00	2.03	7.38	1963
1964	1.59	1.36	0.975	2.64	21.8	64.9	20.0	5.32	3.06	6.21	2.40	1.85	11.0	1964
1965	1.48	1.92	1.55	5.66	21.6	43.1	22.6	7.57	6.77	7.33	3.85	2.24	10.5	1965
1966	1.85	1.30	2.35	7.50	23.7	32.5	16.4	7.13	3.13	3.57	3.78	2.72	8.86	1966
1967	1.92	2.11	1.60	2.39	24.5	44.0	21.9	5.79	2.85	1.59	4.05	2.31	9.76	1967
1968	2.53	2.60	3.09	2.97	18.7	28.5	15.7	7.65	11.7	8.30	4.77	2.36	9.07	1968
1969	1.61	1.66	1.61	8.98	21.0	30.7	15.6	4.78	2.64	4.07	3.02	1.86	8.15	1969
1970	1.34	1.54	1.31	1.98	22.8	46.6	13.2	3.82	2.47	2.83	2.13	1.75	8.50	1970
1971	1.54	2.03	1.65	5.60	28.3	32.9	20.0	8.62	5.65	4.15	3.36	1.89	9.44	1971
1972	1.37	1.39	6.03	6.20	28.5	43.0	22.6	12.6	5.96	3.81	2.74	1.44	11.3	1972
1973	2.07	1.75	1.50	3.01	17.5	20.0	8.26	3.31	2.19	2.19	2.57	2.69	5.85	1973
1974	3.21	1.90	2.13	6.49	20.2	44.0	22.9	7.77	4.31	2.00	2.20	1.93	9.93	1974
1975	1.63	1.14	1.19	1.74	19.4	69.3	36.2	10.6	5.77	5.75	5.87	8.17	13.9	1975
1976	2.92	2.52	2.14	6.41	27.2	20.6	19.3	11.0	4.29	1.70	2.14	1.97	8.53	1976
1977	1.71	1.37	0.943	4.47	9.46	9.63	3.98	6.48	5.66	2.61	2.54	2.27	4.26	1977
1978	1.56	1.57	1.74	5.39	24.0	29.8	20.9	9.73	9.50	3.84	3.73	2.45	9.29	1978
1979	1.27	1.49	2.19	3.49	25.2	23.4	10.4	5.35	2.57	2.17	1.46	1.63	6.75	1979
1980	1.68	1.48	1.21	9.71	28.2	25.4	10.4	5.97	6.20	3.79	5.13	4.35	8.63	1980
1981	3.84	3.14	2.87	7.30	31.1	24.5	16.7	6.49	2.49	1.69	2.12	2.04	8.71	1981
1982	1.10	1.35	1.32	1.97	15.4	33.0	17.8	5.39	2.73	3.48	2.84	1.80	7.36	1982
1983	1.41	1.62	2.17	4.25	17.2	19.8	13.3	5.00	1.41	1.62	4.51	1.50	6.17	1983
1984	1.97	1.95	1.47	5.17	13.2	21.3	10.8	4.61	3.46	4.01	2.98	1.43	6.03	1984
1985	1.32	0.812	1.38	7.25	22.5	21.0	8.42	6.15	9.94	11.4	8.09	2.28	8.40	1985
1986	2.53	3.73	6.33	9.60	20.3	22.0	7.16	2.85	4.78	7.02	3.77	1.64	7.64	1986
1987	1.82	1.74	3.24	10.1	22.3	14.2	13.0	8.64	4.73	2.25	1.40	1.83	7.15	1987
1988	1.26	1.38	1.71	8.78	17.7	15.5	4.74	1.63	1.81	4.34	4.33	1.96	5.43	1988
1989	1.30	1.28	2.00	7.90	18.2	29.6	12.8	7.96	9.14	5.40	11.3	5.39	9.37	1989
1990	3.15	2.37	3.33	11.1	19.1	26.1	17.9	6.71	2.38	5.79	7.57	2.61	9.04	1990
MEAN	1.91	1.93	2.03	6.08	22.0	30.4	16.3	7.09	4.90	4.92	3.79	2.42	8.67	MEAN

LOCATION - LAT 49 06 00 N LONG 113 41 48 W

DRAINAGE AREA 319 km²
REGULATED SINCE 1935

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	33.4 ON MAY 17	0.906B ON FEB 29	238 000	1912
1913	---	58.6 ON MAY 29	0.963B ON FEB 28	317 000	1913
1914	---	38.8 ON JUN 14	1.42 B ON JAN 30	295 000	1914
1915	---	38.8 ON JUN 03	0.821B ON MAR 09	293 000	1915
1916	---	77.3 ON JUN 21	0.963B ON FEB 05	375 000	1916
1917	---	87.8E ON JUN 11	0.708B ON JAN 30	308 000	1917
1918	---	46.4 ON JUN 11	1.05 B ON DEC 29	256 000	1918
1919	---	54.7 ON MAY 29	0.623B ON JAN 11	209 000	1919
1920	---	54.7 ON JUN 16	0.793B ON JAN 15	300 000	1920
1921	---	49.0 ON JUN 08	1.08 B ON FEB 20	321 000	1921
1922	---	57.8 ON JUN 06	0.665B ON DEC 02	282 000	1922
1923	---	63.1 ON JUN 02	1.16 B ON JAN 03	295 000	1923
1924	---	42.5 ON JUN 16	1.26 B ON JAN 22	270 000	1924
1925	---	57.5 ON MAY 23	1.53 B ON DEC 30	332 000	1925
1926	---	33.7 ON OCT 17	1.08 B ON MAR 01	205 000	1926
1927	---	75.6 ON JUN 11	1.29 B ON MAR 25	446 000	1927
1928	---	57.8 ON MAY 25	1.42 B ON FEB 22	358 000	1928
1929	---	39.6 ON JUN 03	0.951B ON FEB 21	221 000	1929
1930	---	38.5 ON MAY 22	0.648B ON JAN 30	263 000	1930
1931	---	36.8 ON MAY 16	0.510B ON JAN 13	172 000	1931
1932	---	51.0 ON MAY 22	0.708B ON JAN 11	268 000	1932
1933	---	54.4 ON JUN 17	0.878B ON FEB 08	317 000	1933
1934	---	79.9 ON JUN 07	1.64 B ON MAR 07	359 000	1934
1935	---	46.4 ON MAY 24	0.623B ON DEC 19	233 000	1935
1936	---	36.8 ON MAY 15	0.425B ON NOV 25	188 000	1936
1937	---	110 ON JUN 13	0.623B ON FEB 01	247 000	1937
1938	---	58.6 ON MAY 26	0.878B ON APR 01	276 000	1938
1939	---	28.6 ON APR 30	0.651B ON MAR 03	190 000	1939
1940	---	30.6 ON MAY 12	0.906B ON FEB 23	178 000	1940
1941	---	26.5 ON JUN 29	0.396B ON FEB 08	172 000	1941
1942	---	71.1 ON JUN 06	1.27 B ON MAR 04	283 000	1942
1943	---	54.1 ON JUN 18	0.708B ON DEC 20	298 000	1943
1944	29.7 AT 16:00 MST ON JUN 27	26.6 ON MAY 18	0.425B ON JAN 25	148 000	1944
1945	---	47.6 ON JUN 04	0.991B ON MAR 11	258 000	1945
1946	---	43.6 ON MAY 28	0.736B ON JAN 20	276 000	1946
1947	---	40.2 ON MAY 03	1.47 B ON JAN 13	313 000	1947
1948	91.2 AT 15:15 MST ON JUN 17	88.1 ON JUN 17	0.680B ON NOV 27	331 000	1948
1949	37.7 AT 07:00 MST ON MAY 28	37.1 ON MAY 28	0.425B ON FEB 13	225 000	1949
1950	62.6 AT 10:00 MST ON JUN 22	61.2 ON JUN 22	1.25 B ON FEB 07	343 000	1950
1951	85.5 AT 12:00 MST ON JUN 24	69.1 ON JUN 24	1.64 B ON MAR 08	410 000	1951
1952	28.9 AT 17:00 MST ON JUN 12	27.0 ON MAY 20	0.934B ON DEC 19	228 000	1952
1953	127 AT 04:00 MST ON JUN 04	120 ON JUN 04	0.566B ON JAN 06	365 000	1953
1954	69.9 AT 05:00 MST ON MAY 20	68.5 ON MAY 20	0.481B ON JAN 23	372 000	1954
1955	60.6 AT 10:00 MST ON JUN 25	58.9 ON JUN 25	0.793B ON MAR 01	295 000	1955
1956	61.7 AT 05:00 MST ON MAY 22	60.9 ON MAY 22	0.765B ON MAR 08	288 000	1956
1957	56.6 AT 04:00 MST ON MAY 14	55.2 ON MAY 14	1.01 ON AUG 19	257 000	1957
1958	53.8 AT 08:50 MST ON JUN 10	51.3 ON JUN 10	0.708B ON JAN 26	262 000	1958
1959	55.5 AT 03:00 MST ON JUN 06	54.1 ON JUN 06	1.13 B ON FEB 26	322 000	1959
1960	43.9 AT 06:00 MST ON JUN 04	43.0 ON JUN 04	0.793B ON DEC 27	220 000	1960
1961	55.2 AT 21:00 MST ON MAY 27	54.7 ON MAY 27	0.878B ON JAN 29	245 000	1961
1962	32.0 AT 12:00 MST ON JUN 14	31.4 ON JUN 14	1.32 B ON MAR 03	234 000	1962
1963	31.3 AT 13:00 MST ON JUN 10	47.9 ON JUN 10	0.224 ON NOV 06	233 000	1963
1964	464 AT 19:00 MST ON JUN 08 *	303 ON JUN 08	0.742B ON MAR 22	347 000	1964
1965	71.9 AT 19:00 MST ON JUN 19	69.1 ON JUN 19	1.18 B ON JAN 03	331 000	1965
1966	53.5 AT 18:00 MST ON JUN 04	50.1 ON JUN 04	1.05 B ON FEB 11	279 000	1966
1967	66.0 AT 23:30 MST ON MAY 23	62.9 ON MAY 23	0.447 ON OCT 09	308 000	1967
1968	43.9 AT 02:00 MST ON JUN 04	41.9 ON JUN 04	0.934B ON JAN 06	287 000	1968
1969	69.4 AT 09:10 MST ON JUN 26	64.3 ON JUN 26	1.17 B ON DEC 06	257 000	1969
1970	102 AT 15:28 MST ON JUN 13	85.2 ON JUN 14	0.821B ON JAN 16	268 000	1970
1971	54.1 AT 07:00 MST ON MAY 28	53.5 ON MAY 28	1.13 B ON MAR 04	298 000	1971
1972	76.7 AT 06:00 MST ON JUN 02	73.6 ON JUN 02	0.943B ON DEC 12	358 000	1972
1973	45.0 AT 16:30 MST ON JUN 09	43.6 ON MAY 19	1.22 ON OCT 08	185 000	1973
1974	71.1 AT 03:30 MST ON JUN 19	69.9 ON JUN 18	1.26 ON NOV 05	313 000	1974
1975	416 AT 01:50 MST ON JUN 20	331 ON JUN 20 *	0.943B ON FEB 14	439 000	1975
1976	49.0 AT 12:00 MST ON MAY 11	47.9 ON MAY 11	0.586 ON OCT 16	270 000	1976
1977	18.2 AT 06:50 MST ON JUN 09	17.8 ON JUN 09	0.306B ON MAR 04	134 000	1977
1978	48.1 AT 16:55 MST ON JUN 06	46.7 ON JUN 06	0.878B ON MAR 03	293 000	1978
1979	56.6 AT 10:30 MST ON MAY 27	55.1 ON MAY 27	0.821B ON NOV 19	213 000	1979
1980	74.7 AT 14:20 MST ON MAY 26	70.5 ON MAY 26	0.887B ON FEB 14	273 000	1980
1981	62.6 AT 21:50 MST ON MAY 22	62.9 ON MAY 22	0.781 ON OCT 18	275 000	1981
1982	45.1 AT 09:25 MST ON JUN 16	44.6 ON JUN 16	0.740B ON APR 02	232 000	1982
1983	44.3 AT 05:05 MST ON MAY 27	43.5 ON MAY 27	0.675 ON OCT 30	195 000	1983
1984	44.6 AT 16:10 MST ON MAY 31	43.3 ON MAY 31	0.720B ON DEC 30	191 000	1984
1985	45.6 AT 19:45 MST ON JUN 08	42.7 ON JUN 08	0.511B ON FEB 08	265 000	1985
1986	53.9 AT 04:45 MST ON MAY 30	53.2 ON MAY 30	0.950B ON FEB 19	241 000	1986
1987	53.0 AT 18:45 MST ON JUL 22	40.2 ON JUL 23	0.161 ON NOV 09 *	225 000	1987
1988	116 AT 15:10 MST ON JUN 09	30.5 ON MAY 13	0.492 ON SEP 22	172 000	1988
1989	63.5 AT 17:25 MST ON JUN 11	60.6 ON JUN 11	0.285B ON JAN 31	295 000	1989
1990	39.4 AT 07:25 MST ON MAY 31	38.9 ON MAY 31	1.11 ON SEP 21	285 000	1990
				274 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	71.4	32.2	17.2	7.58	5.36	---	---	---	1909
1910	---	---	---	22.3	24.1	19.3	12.4	6.24	11.6	14.0	---	---	---	1910
1911	1.72	2.50	---	8.44	29.5	41.2	18.1	15.1	27.0	7.52	---	---	---	1911
1912	2.20	2.14	---	---	24.4	24.1	19.1	9.10	4.84	5.44	5.54	2.65	---	1912
1913	1.60	1.90	2.28	12.1	24.6	41.9	19.7	12.8	5.91	6.23	4.42	3.62	11.4	1913
1914	2.63	1.41	2.77	10.1	23.9	25.2	16.2	9.08	7.24	12.7	7.10	2.21	10.1	1914
1915	1.89	1.61	2.83	7.78	19.2	39.7	24.6	16.4	12.8	12.4	6.90	2.30	12.4	1915
1916	1.67	10.3	10.1	9.55	20.3	50.1	35.5	13.3	9.14	4.68	3.73	2.43	14.2	1916
1917	1.63	1.14	0.885	10.5	28.2	44.8	24.6	8.03	4.43	3.81	2.74	2.66	11.2	1917
1918	4.70	2.20	3.44	8.06	19.4	28.8	10.9	7.36	5.29	4.47	2.41	1.45	8.22	1918
1919	1.82	1.33	2.70	5.69	22.0	20.2	9.59	5.27	3.12	1.92	1.80	1.67	6.45	1919
1920	1.67	2.98	4.18	8.00	23.3	34.9	27.7	9.42	6.58	5.90	3.17	1.77	10.8	1920
1921	2.11	2.53	4.75	9.63	28.6	36.0	18.1	7.76	4.71	5.37	4.00	4.05	10.8	1921
1922	1.90	1.28	1.58	5.89	26.0	36.3	18.1	7.44	4.18	3.48	3.10	1.95	9.30	1922
1923	2.01	1.72	1.97	5.34	21.4	42.7	17.6	8.59	4.19	6.03	2.49	1.75	9.67	1923
1924	1.21	3.11	1.93	4.23	20.7	34.4	14.8	10.4	4.05	2.75	---	---	---	1924
1925	---	---	6.91	15.7	33.4	31.7	11.6	6.22	6.41	5.63	---	---	---	1925
1926	---	---	1.49	8.02	9.82	9.38	5.24	3.05	11.3	13.1	---	---	---	1926
1927	---	---	2.63	10.6	41.2	65.7	30.4	16.4	19.0	13.6	---	---	---	1927
1928	---	---	10.7	7.75	33.7	35.4	36.4	9.41	5.54	8.88	---	---	---	1928
1929	---	---	4.67	5.28	24.3	30.7	13.3	3.66	3.29	3.45	---	---	---	1929
1930	---	---	3.10	14.8	28.0	25.5	10.8	4.12	3.80	3.00	---	---	---	1930
1931	---	---	1.56	2.71	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	1.66	2.06	---	---	---	1935
1936	---	---	---	---	19.9	11.9	---	---	---	---	---	---	---	1936
1948	---	---	---	---	---	---	---	---	---	1.50	1.13	1.07	---	1948
1949	0.925	0.934	2.64	4.49	22.8	21.3	7.49	2.35	4.40	3.32	4.13	3.49	6.55	1949
1950	2.03	1.89	4.18	9.63	20.2	40.9	26.5	9.17	2.57	6.58	7.48	4.53	11.3	1950
1951	2.70	3.59	8.40	14.5	45.6	50.0	39.8	13.2	19.2	16.4	6.81	4.41	18.8	1951
1952	2.66	3.49	7.93	21.4	23.2	19.2	13.3	9.73	3.72	1.35	0.944	1.97	9.08	1952
1953	3.00	3.12	5.17	11.2	28.1	86.5	29.5	9.45	3.98	1.58	4.07	4.11	15.6	1953
1954	1.94	2.89	2.45	7.63	33.1	34.2	29.8	11.5	10.0	9.26	5.87	3.20	12.7	1954
1955	2.16	1.54	2.82	12.6	26.1	39.0	26.5	6.79	2.39	7.92	4.98	2.86	11.4	1955
1956	2.42	1.86	5.03	7.52	29.1	29.8	22.4	6.96	3.26	4.95	3.86	2.12	9.96	1956
1957	1.66	2.22	5.30	4.20	36.8	25.1	7.24	1.60	0.837	4.01	5.57	1.98	8.08	1957
1958	1.99	2.15	4.29	8.12	29.2	28.6	14.4	5.20	3.70	2.21	4.13	3.60	8.99	1958
1959	3.85	2.33	4.08	8.49	22.9	32.9	13.0	5.38	7.94	9.99	6.37	4.19	10.1	1959
1960	2.19	2.35	7.27	8.64	17.5	23.3	6.11	2.21	0.977	0.438	0.882	0.961	6.07	1960
1961	0.978	1.18	1.57	1.40	14.3	11.9	2.31	1.64	1.86	3.81	4.23	2.25	3.96	1961
1962	2.59	3.23	3.10	10.6	6.80	2.66	1.17	1.05	1.13	0.760	1.03	1.07	2.92	1962
1963	0.943	4.93	2.15	0.770	1.02	2.14	4.71	2.21	0.778	0.444	0.704	0.850	1.70	1963
1964	5.582	0.757	0.960	1.17	23.1	61.6	19.4	0.942	0.864	0.910	0.599	1.29	9.32	1964
1965	2.10	2.87	2.23	9.05	14.0	36.9	15.0	2.18	5.28	7.14	4.70	3.87	8.76	1965
1966	3.42	2.92	4.33	9.58	20.8	28.0	12.0	6.34	2.96	3.62	4.37	3.48	8.50	1966
1967	4.63	3.10	5.78	5.03	35.7	51.2	17.2	1.15	1.62	0.748	1.23	0.877	10.7	1967
1968	0.876	1.91	2.00	2.03	3.91	19.2	2.45	4.67	14.1	10.5	6.21	3.80	5.95	1968
1969	3.73	3.21	5.82	13.0	22.9	31.2	13.0	1.93	1.75	3.71	4.11	2.71	8.92	1969
1970	1.72	1.98	1.90	4.10	26.8	46.8	7.60	1.66	2.06	3.43	2.75	1.89	8.55	1970
1971	1.94	5.68	2.45	6.58	27.1	24.2	7.12	5.06	2.58	4.12	3.71	1.19	7.64	1971
1972	1.66	2.30	17.8	9.06	27.8	37.2	17.6	9.89	3.25	2.45	2.98	2.60	11.3	1972
1973	3.42	2.76	2.64	4.04	7.84	6.33	2.00	0.987	0.632	0.460	4.93	3.09	3.26	1973
1974	2.95	3.10	4.62	8.33	20.9	37.0	6.38	4.45	3.46	3.30	2.50	2.25	8.26	1974
1975	1.94	1.73	1.83	11.1	26.2	68.6	19.1	4.74	12.7	14.2	3.95	8.03	14.5	1975
1976	6.23	3.21	4.15	8.43	28.2	11.0	3.75	10.7	1.66	2.08	2.63	1.66	7.17	1976
1977	1.70	2.53	2.37	3.95	2.56	2.53	1.82	2.21	1.64	1.97	2.32	2.23	2.31	1977
1978	1.72	1.68	2.76	3.93	22.3	22.7	14.2	3.39	3.42	3.49	3.52	2.47	7.16	1978
1979	1.98	1.82	6.21	7.49	26.6	11.6	2.87	2.19	1.75	1.44	1.72	1.84	5.66	1979
1980	1.19	2.48	3.52	2.72	18.9	24.4	1.93	2.45	5.73	5.19	5.04	5.37	6.57	1980
1981	4.88	3.89	2.32	4.03	41.9	35.2	8.65	5.72	1.95	1.87	2.34	2.97	9.59	1981
1982	1.13	1.75	2.86	5.33	9.64	31.5	13.3	3.78	5.08	5.50	2.79	2.28	7.07	1982
1983	4.95	2.55	3.24	2.39	14.3	5.38	3.01	1.55	0.962	1.26	4.43	1.76	3.59	1983
1984	2.71	2.61	1.73	1.36	2.08	4.84	3.30	1.27	0.910	1.54	3.28	1.43	2.25	1984
1985	1.61	1.16	1.42	1.29	---	---	---	---	---	---	---	---	---	1985
MEAN	2.25	2.55	3.92	7.72	22.9	31.3	14.9	6.40	5.33	5.09	3.67	2.56	8.70	MEAN

LOCATION - LAT 49 28 40 N LONG 113 18 10 W

DRAINAGE AREA, 1 210 km²

REGULATED SINCE 1935

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	1.13 ON JAN 01	---	1911
1912	---	---	1.47 ON FEB 28	---	1912
1913	---	84.1 ON MAY 29	1.25 B ON JAN 19	361 000	1913
1914	---	37.9 ON JUN 04	0.821B ON FEB 06	318 000	1914
1915	---	76.5 ON JUN 26	1.27 B ON DEC 27	391 000	1915
1916	---	93.2 ON JUN 28	1.25 B ON JAN 24	450 000	1916
1917	---	85.8 ON JUN 12	0.235B ON MAR 17	352 000	1917
1918	---	51.8 ON JUN 13	0.765B ON NOV 24	259 000	1918
1919	---	43.9 ON MAY 29	0.419B ON JAN 04	203 000	1919
1920	---	54.4 ON JUN 16	0.595B ON DEC 08	342 000	1920
1921	---	53.2 ON MAY 26	1.13 B ON FEB 18	341 000	1921
1922	---	60.3 ON JUN 06	0.906B ON DEC 01	293 000	1922
1923	76.7 ON JUN 02	69.7 ON JUN 02	1.10 B ON DEC 31	305 000	1923
1924	---	56.6 ON JUN 08	---	---	1924
1925	57.2 ON MAY 23	55.5 ON MAY 22	---	---	1925
1926	---	34.8 ON OCT 18	---	---	1926
1927	---	124 ON MAY 30	---	---	1927
1928	---	105 ON JUL 02	---	---	1928
1929	---	60.9 ON JUN 04	---	---	1929
1930	---	46.7 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1948	---	---	---	---	1948
1949	---	36.5 ON MAY 29	0.793B ON FEB 04	206 000	1949
1950	64.3 AT 12:00 MST ON JUN 22	62.0 ON JUN 23	1.05 ON SEP 29	358 000	1950
1951	272 AT 04:00 MST ON JUN 25	223 ON JUN 25	1.78 B ON MAR 11	593 000	1951
1952	59.5 AT 01:00 MST ON APR 02	51.0 ON APR 01	0.396B ON NOV 16	287 000	1952
1953	303 AT 03:00 MST ON JUN 09	273 ON JUN 09	0.637A ON NOV 01	493 000	1953
1954	70.2 AT 20:00 MST ON MAY 20	69.7 ON MAY 21	0.538B ON DEC 30	401 000	1954
1955	142 AT 09:00 MST ON MAY 19	112 ON MAY 19	0.821B ON MAR 05	358 000	1955
1956	65.1 AT 20:00 MST ON MAY 22	64.3 ON MAY 22	0.934B ON DEC 25	315 000	1956
1957	58.9 AT 10:00 MST ON MAY 15	57.2 ON MAY 15	0.476A ON SEP 08	255 000	1957
1958	55.5 AT 23:00 MST ON JUN 10	51.0 ON JUN 11	0.453B ON JAN 27	284 000	1958
1959	59.7 AT 19:00 MST ON JUN 16	56.6 ON JUN 07	1.30 B ON MAR 11	320 000	1959
1960	95.7 B AT 09:00 MST ON MAR 19	42.2 ON JUN 04	0.170B ON NOV 05 *	192 000	1960
1961	58.3 AT 13:00 MST ON MAY 31	51.8 ON MAY 31	0.255 ON APR 21	125 000	1961
1962	---	22.0 ON APR 26	0.320 ON DEC 10	92 100	1962
1963	16.7 AT 16:00 MST ON JUL 07	16.2 ON JUL 08	0.181B ON JAN 12	63 600	1963
1964	331 AT 08:00 MST ON JUN 09	292 ON JUN 09 *	0.263B ON MAR 02	295 000	1964
1965	69.4 AT 02:00 MST ON JUN 18	67.1 ON JUN 20	0.623B ON DEC 25	276 000	1965
1966	---	77.9 ON JUN 05	0.623B ON MAR 22	268 000	1966
1967	77.6 AT 16:30 MST ON MAY 24	75.3 ON MAY 24	0.436B ON DEC 07	338 000	1967
1968	35.1 AT 16:00 MST ON JUN 04	34.5 ON JUN 04	0.416B ON JAN 27	188 000	1968
1969	88.6 AT 02:30 MST ON JUN 27	80.1 ON JUN 27	0.898 ON SEP 10	281 000	1969
1970	137 AT 12:10 MST ON JUN 14	124 ON JUN 14	0.708 ON JUL 28	270 000	1970
1971	45.0 AT 03:00 MST ON MAY 29	44.5 ON MAY 29	0.719B ON DEC 30	241 000	1971
1972	65.4 AT 21:15 MST ON JUN 02	63.7 ON JUN 02	0.629B ON JAN 05	356 000	1972
1973	25.8 AT 22:10 MST ON MAY 19	24.9 ON MAY 20	0.212 ON OCT 05	103 000	1973
1974	63.1 AT 20:00 MST ON JUN 18	60.9 ON JUN 18	0.920 ON AUG 06	260 000	1974
1975	394 AT 19:30 MST ON JUN 20 *	267 ON JUN 21	1.44 B ON APR 01	458 000	1975
1976	48.4 AT 01:40 MST ON MAY 12	47.0 ON MAY 12	0.912B ON DEC 29	227 000	1976
1977	5.52 AT 11:30 MST ON APR 07	5.15 ON APR 08	0.745B ON NOV 21	73 000	1977
1978	40.8 AT 06:30 MST ON JUN 07	39.9 ON JUN 07	1.08 B ON JAN 31	226 000	1978
1979	56.8 AT 12:05 MST ON MAY 28	50.0 ON MAY 28	1.00 B ON DEC 29	179 000	1979
1980	119 AT 09:50 MST ON MAY 27	103 ON MAY 27	0.403B ON MAR 31	208 000	1980
1981	153 AT 18:40 MST ON MAY 22	115 ON MAY 22	0.900B ON DEC 31	302 000	1981
1982	46.9 AT 09:30 MST ON JUN 15	46.2 ON JUN 15	0.880B ON JAN 02	223 000	1982
1983	38.7 AT 18:10 MST ON MAY 27	37.3 ON MAY 27	0.873 ON SEP 24	113 000	1983
1984	25.4 AT 12:40 MST ON JUN 30	25.1 ON JUN 30	0.695 ON SEP 06	71 100	1984
1985	---	---	---	---	1985
				275 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	---	---	0.018	0	---	1967
1968	0	0	0	0.206	0.480	0.171	0.175	0.072	0.101	0.057	0.019	0.001	0.107	1968
1969	---	---	---	0.215	0.109	0.036	0.015	0.024	0.022	0.014	0.003	---	---	1969
1970	---	---	---	---	0.123	0.038	0.019	0.035	---	0.029	---	---	---	1970
1971	0	0	0	0.254	0.121	0.028	0.012	0.008	0.012	0.008	0.002	0.001	0.037	1971
1972	0	0	0	0.128	0.357	0.075	0.035	0.020	0.035	0.020	0.001	0	0.056	1972
1973	0	0	0	0.187	0.188	0.070	0.374	0.218	0.179	0.149	0.026	0.010	0.118	1973
1974	0.002	0	0	0.540	0.356	0.198	0.203	0.100	0.082	0.067	0.023	0.006	0.132	1974
1975	0.001	0	0	0.221	0.153	0.076	0.012	0.058	0.091	0.072	0.015	0.001	0.058	1975
1976	0	0	0	0.500	0.088	0.038	0.147	0.088	0.061	0.049	0.009	0	0.081	1976
1977	0	0	0	0.284	0.049	0.447	0.242	0.123	0.128	0.063	0.011	0	0.112	1977
1978	0	0	0	0.111	0.201	0.051	0.017	0.008	0.022	0.028	0.009	0	0.037	1978
1979	0	0	0	0.007	0.287	0.027	0.013	0.012	0.010	0.036	0.026	0.002	0.036	1979
1980	0	0	0	0.145	0.021	0.017	0.048	0.018	0.015	0.009	0.006	0	0.023	1980
1981	0	0	0	0.175	0.128	0.051	0.019	0.007	0.010	0.010	0.007	0.004	0.034	1981
1982	0	0	0	0.079	0.095	0.017	0.006	0.008	0.018	0.018	0.001	0	0.020	1982
1983	0	0	0.001	0.166	0.103	0.030	0.085	0.099	0.101	0.030	0.036	0	0.054	1983
MEAN	0	0	0	0.215	0.179	0.086	0.089	0.056	0.059	0.041	0.013	0.002	0.065	MEAN

LOCATION - LAT 59 48 50 N LONG 111 57 45 W
DRAINAGE AREA, 65.5 km²
NATURAL FLOW

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	2.29 AT 21:45 MST ON MAY 04 *	1.47 ON MAY 04	0 ON JAN 01 *	3 390	1968
1969	---	0.416A ON APR 14	0 ON APR 01	---	1969
1970	1.03 AT 23:10 MST ON APR 25	0.878 ON APR 26	---	---	1970
1971	1.24A AT 19:50 MST ON APR 20	1.20 A ON APR 20	0B ON JAN 01	1 170	1971
1972	1.03A ON MAY 03	1.03 A ON MAY 03	0 ON JAN 01	1 770	1972
1973	1.14 AT 12:00 MST ON JUL 09	1.01 ON JUL 09	0 ON JAN 01	3 710	1973
1974	---	2.00 ON APR 23 *	0E ON JAN 23	4 150	1974
1975	---	0.561A ON APR 24	0E ON JAN 17	1 840	1975
1976	---	1.25 B ON APR 14	0B ON JAN 01	2 570	1976
1977	---	1.47 E ON JUN 10	0B ON JAN 01	3 530	1977
1978	---	0.813E ON MAY 01	0B ON JAN 01	1 180	1978
1979	---	1.05 E ON MAY 11	0B ON JAN 01	1 120	1979
1980	---	0.600 ON APR 15	0B ON JAN 01	732	1980
1981	---	0.941A ON APR 28	0B ON JAN 01	1 080	1981
1982	---	0.238 ON APR 27	0B ON JAN 01	640	1982
1983	---	0.801 ON APR 22	0B ON JAN 01	1 710	1983
				2 040	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERLAND RIVER NEAR THE MOUTH - STATION NO. 07AC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	11.2 R	26.0R	66.3R	80.8R	130 R	50.4R	40.1R	61.2R	---	---	58.3 R	1986
1987	---	---	11.3	30.3	35.5	31.3	27.2	140	36.1	22.5	---	---	41.9	1987
1988	---	---	10.6	21.7	19.6	51.6	32.2	18.2	15.4	14.2	---	---	22.9	1988
1989	---	---	6.30	18.6	70.8	78.3	123	175	82.8	39.6	---	---	74.4	1989
1990	---	---	10.5	21.5	47.6	186	133	37.3	39.5	26.5	---	---	62.5	1990
MEAN	---	---	9.98R	23.6R	48.0R	85.6R	89.1R	84.2R	42.8R	32.8R	---	---	52.0 R	MEAN

LOCATION - LAT 54 00 47 N LONG 116 57 47 W
DRAINAGE AREA, 4 740 km²
NATURAL FLOW
R - REVISED SINCE JAN 01 1989

BERLAND RIVER NEAR THE MOUTH - STATION NO. 07AC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	407R AT 10:21 MST ON JUL 19	394R ON JUL 19	9.20RB ON MAR 01	1 240 000	1986
1987	846 AT 03:16 MST ON AUG 03 *	708 ON AUG 03 *	10.0 B ON MAR 01	887 000	1987
1988	176 AT 11:28 MST ON JUN 12	164 ON JUN 12	7.64B ON MAR 03	484 000	1988
1989	359 AT 04:14 MST ON AUG 04	346 ON AUG 18	5.70B ON MAR 01 *	1 580 000	1989
1990	556 AT 02:55 MST ON JUL 08	471 ON JUL 08	8.90B ON MAR 16	1 320 000	1990
				1 100 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	0	0	0	0	0	0	---	---	---	1922
1936	---	---	0	0.857	0	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0.857	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 54 32 N LONG 111 33 01 W DRAINAGE AREA, 876 km² NATURAL FLOW

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON MAR 23 *	---	1922
1936	---	11.3E ON APR 19 *	0B ON MAR 01	---	1936
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK AT FORSTER'S RANCH - STATION NO. 05CH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	1.99	0.339	0.142	---	---	---	---	1911
1912	---	---	---	---	0.381	0.832	0.878	0.694	0.137	0.069	---	---	---	1912
MEAN	---	---	---	---	0.381	0.832	1.43	0.517	0.140	0.069	---	---	---	MEAN

LOCATION - LAT 50 58 00 N LONG 111 45 00 W DRAINAGE AREA, 2 460 km² NATURAL FLOW

BERRY CREEK AT FORSTER'S RANCH - STATION NO. 05CH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
				---	MEAN

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.043	0	0	0.257	0.557	0.023	0.018	---	---	---	1984
1985	---	---	0.013	3.15	0.861	0.682	1.10	0.781	0.081	0.258	---	---	0.860	1985
1986	---	---	---	---	---	0.702	0.651	0.392	0.261	0.099	---	---	---	1986
1987	---	---	0.029	0.046	0.491	0.687	0.722	0.211	0.065	0.134	---	---	0.299	1987
1988	---	---	0.024	0.027	0.803	0.588	0.824	0.222	0.183	0.050	---	---	0.341	1988
1989	---	---	0	0.117	0.454	0.480	0.797	0.318	0.043	0.022	---	---	0.280	1989
1990	---	---	0.039	0.101	0.282	0.788	0.838	0.450	0.102	0.122	---	---	0.340	1990
MEAN	---	---	0.021	0.581	0.482	0.561	0.741	0.419	0.108	0.100	---	---	0.424	MEAN

LOCATION - LAT 50 56 09 N LONG 111 45 59 W DRAINAGE AREA, 2 480 km² REGULATED

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	1.47 AT 22:39 MST ON JUL 27	1.35 ON JUL 28	0 ON MAY 02 *	---	1984
1985	12.7 AT 10:10 MST ON APR 12 *	12.5 ON APR 12 *	0 B ON MAR 01	18 200	1985
1986	2.07	1.29E ON JUN 07	---	---	1986
1987	1.70 AT 08:47 MST ON JUN 10	1.62 ON JUN 10	0.005 ON OCT 03	6 320	1987
1988	1.32 AT 22:39 MST ON JUL 05	1.29 ON JUL 06	0.002 ON APR 13	7 220	1988
1989	1.49 AT 11:40 MST ON JUL 23	1.46 ON JUL 24	0 B ON MAR 01	5 920	1989
1990	1.38 AT 22:21 MST ON JUN 26	1.35 ON JUN 27	0.001 ON OCT 05	7 210	1990
				8 970	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	0	0	---	---	---	1981
1982	---	---	0.001	0.005	0.003	0.002	0	0.002	0.001	0	---	---	0.002	1982
1983	---	---	0.008	0.001	0.001	---	---	---	---	---	---	---	---	1983
MEAN	---	---	0.005	0.003	0.002	0.002	0	0.002	0.001	0	---	---	0.002	MEAN

LOCATION - LAT 51 05 45 N LONG 111 40 53 W DRAINAGE AREA, 2 060 km² REGULATED

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. 05CH010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0A ON JUN 24 *	---	1981
1982	---	0.019B ON APR 13 *	0B ON MAR 01	37.2	1982
1983	---	---	0B ON MAR 01	---	1983
				37.2	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.014	0	0	---	---	---	1967
1969	---	---	0	11.8	0.374	0.002	0	0	0	0	---	---	1.49	1969
1970	---	---	0	6.80	0.215	0.039	0.024	0.004	0.013	0	---	---	0.870	1970
1971	---	---	0	11.9	0.709	0.041	0.022	0.014	0	0	---	---	1.56	1971
1972	---	---	0	0.157	0.069	0.167	0.051	0.044	0	0	---	---	0.060	1972
1973	---	---	0	0.283	0.230	1.83	0.265	0.105	0.128	0.102	---	---	0.366	1973
1974	---	---	0.014	16.2	5.83	0.432	0.195	0.007	0.058	0.066	---	---	2.81	1974
1975	---	---	0	1.25	4.63	0.248	0.110	0.083	0.073	0.010	---	---	0.803	1975
1976	---	---	0.047	0.255	0.179	0.140	0.079	---	---	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.066	0.095	0.001	0.001	0.004	0.001	0.006	0	---	---	0.022	1978
1979	---	---	0.738	0.183	0.103	0.010	0.007	0.022	0.026	0	---	---	0.137	1979
1980	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.031	0	0	0	0	0	0	---	---	0.004	1982
1983	---	---	0.198	0.006	0	0	0.013	0	0	0	---	---	0.027	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	9.64	0.278	0.001	0	0	0.044	0.003	---	---	1.22	1985
1986	---	---	0	0	0	0	0.007	0	0	0	---	---	0.001	1986
1987	---	---	0.050	0.179	0	0	0.115	0	0	0	---	---	0.043	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.111	0	0	0	0	0	0	---	---	0.014	1989
1990	---	---	0.018	0.117	0	0	0	0	0	0	---	---	0.017	1990
MEAN	---	---	0.051	2.68	0.574	0.132	0.040	0.013	0.016	0.008	---	---	0.450	MEAN

LOCATION - LAT 51 24 56 N LONG 111 29 41 W DRAINAGE AREA, 1 550 km² REGULATED

BERRY CREEK NEAR ROSE LYNN - STATION NO. 05CH008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON SEP 05 *	---	1967
1969	51.5 AT 23:30 MST ON APR 08	43.6 ON APR 09	0B ON MAR 01	31 600	1969
1970	35.1 AT 01:30 MST ON APR 07	31.7 ON APR 07	0B ON MAR 01	18 400	1970
1971	52.4 AT 13:00 MST ON APR 15	51.0 ON APR 15	0B ON MAR 01	32 900	1971
1972	1.52 AT 16:45 MST ON JUN 10	0.719 ON JUN 11	0B ON MAR 01	1 280	1972
1973	13.1 AT 20:50 MST ON JUL 16	10.6 ON JUN 17	0B ON MAR 01	7 750	1973
1974	84.7 AT 00:10 MST ON APR 25 *	78.7 ON APR 25 *	0 ON AUG 21	59 600	1974
1975	14.4 AT 20:00 MST ON MAY 07	14.3 ON MAY 07	0B ON MAR 01	17 000	1975
1976	1.20 AT 16:30 MST ON APR 01	0.745 ON APR 02	0B ON MAR 01	---	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	---	1.05 B ON MAR 30	0B ON MAR 01	460	1978
1979	---	3.90 B ON MAR 15	0B ON MAR 01	2 900	1979
1980	0.036 AT 18:00 MST ON APR 17	0.031 ON APR 18	0B ON MAR 01	13.3	1980
1981	---	0 B ON MAR 01	0B ON MAR 01	0	1981
1982	0.120 AT 10:09 MST ON APR 18	0.110 ON APR 17	0 ON MAR 01	79.7	1982
1983	---	1.26 B ON MAR 14	0B ON MAR 01	581	1983
1984	---	0 B ON MAR 01	0B ON MAR 01	0	1984
1985	---	33.0 B ON APR 03	0B ON MAR 01	25 900	1985
1986	0.122 AT 15:08 MST ON JUL 11	0.079 ON JUL 11	0 ON MAR 01	17.5	1986
1987	---	1.69 B ON APR 01	0B ON MAR 01	907	1987
1988	---	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	0.599 AT 16:33 MST ON APR 06	0.470 ON APR 07	0 ON MAR 01	288	1989
1990	1.98 AT 03:38 MST ON APR 02	1.27 ON APR 02	0 ON MAR 01	350	1990
				9 530	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.036	0.141	0.147	0.517	0.208	0.009	0.057	0.754	---	---	0.233	1964
1965	---	---	0.052	7.10	2.04	0.770	0.333	0.438	0.154	0.231	---	---	1.37	1965
1966	---	---	0.319	1.11	0.296	0.682	0.594	0.545	0.243	0.215	---	---	0.498	1966
1967	---	---	0.039	0.870	3.65	1.13	0.259	0.586	0.016	0.194	---	---	0.845	1967
1968	---	---	0.061	0.262	0.238	0.277	0.159	0.083	0.064	0.194	---	---	0.167	1968
1969	---	---	0.013	8.70	1.51	0.548	0.589	0.360	0.104	0.349	---	---	1.50	1969
1970	---	---	0.037	3.86	1.36	0.715	0.407	0.269	0.055	0.127	---	---	0.846	1970
1971	---	---	0.037	13.5	2.75	0.567	0.315	0.386	0.204	0.084	---	---	2.20	1971
1972	---	---	0.221	0.233	0.205	0.188	0.043	0.142	0.013	0.022	---	---	0.133	1972
1973	---	---	0.126	0.262	0.134	0.220	0.040	0.206	0.021	0.005	---	---	0.126	1973
1974	---	---	0.048	3.93	11.9	1.22	0.614	0.748	0.200	0.079	---	---	2.35	1974
1975	---	---	0.009	0.203	4.04	0.828	0.291	0.250	0.013	0.020	---	---	0.712	1975
1976	---	---	0.273	0.298	0.101	0.257	0.126	0.108	0	0.016	---	---	0.147	1976
1977	---	---	0.062	0.094	0.042	0	0	0	0.001	0.002	---	---	0.025	1977
1978	---	---	0.011	0.085	0.071	0.007	0.002	0.001	0.001	0.011	---	---	0.024	1978
1979	---	---	0.098	0.079	0.042	0.019	0	0	0	0.001	---	---	0.030	1979
1980	---	---	0.042	0.084	0.025	0.023	0.008	0.004	0.002	0.010	---	---	0.025	1980
1981	---	---	0.007	0.008	0.015	0.006	0	0	0	0	---	---	0.004	1981
1982	---	---	0.001	0.008	0.010	0.003	0.008	0.005	0.004	0.001	---	---	0.005	1982
1983	---	---	0.015	0.009	0.004	0.001	0.002	0.002	0	0	---	---	0.004	1983
1984	---	---	0.005	0.006	0.005	0.001	0	0.018	0.026	0.012	---	---	0.009	1984
1985	---	---	0.049	3.23	0.823	0.320	0.455	0.449	0.038	0.195	---	---	0.689	1985
1986	---	---	0.077	0.079	0.015	0.317	0.105	0.114	0.307	0.157	---	---	0.145	1986
1987	---	---	0.076	0.077	0.225	0.348	0.243	0.152	0.078	0.060	---	---	0.157	1987
1988	---	---	0.031	0.038	0.115	0.240	0.124	0.121	0.001	0.002	---	---	0.084	1988
1989	---	---	0.029	0.194	0.210	0.105	0.104	0.103	0.046	0.004	---	---	0.099	1989
1990	---	---	0.081	0.162	0.130	0.210	0.104	0.235	0.009	0.005	---	---	0.117	1990
MEAN	---	---	0.069	1.65	1.11	0.353	0.190	0.198	0.061	0.102	---	---	0.465	MEAN

LOCATION - LAT 50 51 18 N DRAINAGE AREA, 3 720 km²
LONG 111 35 26 W REGULATED

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	2.64 AT 05:00 MST ON JUN 18	2.27 ON JUN 18	0 ON AUG 21 *	4 940	1964
1965	22.9 AT 10:00 MST ON APR 24	22.6 ON APR 24	0 B ON MAR 01	29 100	1965
1966	5.61 AT 18:00 MST ON APR 02	4.30 ON APR 02	0 B ON MAR 01	10 500	1966
1967	---	4.13 ON JUN 01	0 ON SEP 10	17 900	1967
1968	0.793 AT 19:10 MST ON APR 19	0.733 ON APR 19	0 ON JUL 12	3 530	1968
1969	---	28.3 ON APR 19	0 B ON MAR 15	31 800	1969
1970	10.1 AT 14:30 MST ON APR 14	9.63 ON APR 20	0.008B ON MAR 04	17 900	1970
1971	48.7 AT 20:30 MST ON APR 20	46.7 ON APR 20	0 B ON MAR 01	46 600	1971
1972	---	1.35 B ON MAR 18	0 ON JUL 11	2 820	1972
1973	1.35 AT 23:50 MST ON JUN 15	0.847 ON JUN 16	0 ON JUL 20	2 670	1973
1974	52.7 AT 01:20 MST ON MAY 01 *	51.3 ON MAY 01 *	0.040 ON SEP 30	49 800	1974
1975	9.94 AT 12:00 MST ON MAY 12	9.83 ON MAY 12	0 B ON MAR 01	15 100	1975
1976	1.35 AT 14:00 MST ON JUN 16	0.663 ON MAR 19	0 ON SEP 02	3 110	1976
1977	0.184 AT 02:30 MST ON APR 08	0.167 ON APR 06	0 ON JUN 03	533	1977
1978	---	0.161 ON APR 23	0 B ON MAR 01	500	1978
1979	---	0.264B ON MAR 21	0 B ON MAR 01	634	1979
1980	---	0.170B ON MAR 31	0 B ON MAR 01	520	1980
1981	0.047 AT 09:40 MST ON MAY 21	0.031 ON MAY 19	0 ON APR 26	93.7	1981
1982	0.055 AT 15:46 MST ON MAY 30	0.032 ON MAY 30	0 B ON MAR 01	106	1982
1983	0.052B AT 09:00 MST ON MAR 11	0.047B ON MAR 11	0 ON SEP 01	87.9	1983
1984	0.250 AT 18:55 MST ON AUG 31	0.161 ON AUG 29	0 ON JUN 29	193	1984
1985	11.5 AT 09:51 MST ON APR 14	11.4 ON APR 14	0 B ON MAR 01	14 600	1985
1986	2.79 AT 17:57 MST ON SEP 25	1.25 ON SEP 26	0 ON APR 13	3 080	1986
1987	2.06 AT 18:10 MST ON JUN 19	1.51 ON JUN 20	0.004 ON OCT 09	3 330	1987
1988	2.31 AT 17:39 MST ON MAY 29	0.940 ON JUN 09	0.001 ON AUG 28	1 770	1988
1989	---	0.690 ON MAY 21	0.001B ON MAR 06	2 100	1989
1990	1.18 AT 14:18 MST ON AUG 01	0.916 ON AUG 01	0.001 ON JUN 27	2 470	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 840	MEAN

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.002	4.50	0.888	0.122	0.029	0.001	---	---	---	---	1.36	1921
1922	---	---	---	1.11	0.183	0.036	0.019	0.005	0.009	0.023	---	---	---	1922
1923	---	---	0.001	0.031	0.007	2.51	1.06	0.063	0.015	0.017	---	---	0.637	1923
1924	---	---	0.004	0.081	0.035	0.014	0.002	0.012	0.004	0.016	---	---	0.033	1924
1925	---	---	0.044	14.4	1.66	0.220	0.474	0.104	0.054	0.061	---	---	4.02	1925
1926	---	---	2.31	2.54	0.494	0.055	0.014	0.017	0.038	0.030	---	---	1.35	1926
1927	---	---	0.053	18.3	5.85	2.31	0.902	0.489	0.246	0.215	---	---	6.57	1927
1928	---	---	13.3	6.42	1.35	0.516	0.479	0.223	0.111	0.115	---	---	5.43	1928
1929	---	---	0.125	0.199	0.145	0.064	0.003	---	---	---	---	---	0.133	1929
1930	---	---	0.005	0.177	0.063	0.012	0	0	0	0	---	---	0.064	1930
1935	---	---	---	3.52	0.589	0.048	0.021	---	---	---	---	---	---	1935
1936	---	---	0	6.69	0.976	0.187	0.018	---	---	---	---	---	1.94	1936
1937	---	---	---	0.163	0.037	0.007	---	---	---	---	---	---	---	1937
1938	---	---	---	8.23	2.07	0.433	---	---	---	---	---	---	---	1938
1939	---	---	2.71	2.85	0.302	1.82	---	---	---	---	---	---	1.92	1939
1940	---	---	---	13.6	9.00	0.727	---	---	---	---	---	---	---	1940
1941	---	---	0.573	14.7	0.813	0.349	---	---	---	---	---	---	4.04	1941
1942	---	---	0.005	0.052	0	0	---	---	---	---	---	---	0.014	1942
1943	---	---	0.138	17.6	1.04	0.162	---	---	---	---	---	---	4.67	1943
1947	---	---	5.70	13.4	0.636	0.143	---	---	---	---	---	---	4.94	1947
1948	---	---	0	27.5	17.9	1.19	---	---	---	---	---	---	11.6	1948
1949	---	---	0.044	0.146	0.003	0	---	---	---	---	---	---	0.048	1949
1950	---	---	0	0.008	0	---	---	---	---	---	---	---	---	1950
1951	---	---	0	10.0	9.75	---	---	---	---	---	---	---	---	1951
1952	---	---	0.301	37.1	2.18	0.776	---	---	---	---	---	---	9.94	1952
1953	---	---	0	0.323	2.46	2.59	---	---	---	---	---	---	1.34	1953
MEAN	---	---	1.21	7.83	2.25	0.597	0.252	0.102	0.059	0.060	---	---	3.16	MEAN

LOCATION - LAT 50 54 26 N DRAINAGE AREA, 2 790 km²
LONG 111 33 40 W REGULATED

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	16.2 ON APR 17	0 ON MAR 01 *	14 400	1921
1922	---	5.80 B ON APR 08	0.025 ON JUN 28	---	1922
1923	---	12.9 ON JUN 25	0 B ON MAR 01	6 720	1923
1924	---	0.130B ON APR 09	0 B ON MAR 03	353	1924
1925	---	32.0 ON APR 13	0 B ON MAR 01	42 400	1925
1926	---	8.30 ON APR 19	0 B ON MAR 01	14 200	1926
1927	---	50.1 ON APR 21	0 B ON MAR 01	69 300	1927
1928	---	113 E ON MAR 26	0 B ON MAR 01	57 300	1928
1929	---	0.289B ON MAR 20	0 B ON MAR 01	1 400	1929
1930	---	0.439 ON APR 09	0 B ON MAR 01	672	1930
1935	---	15.3 ON APR 21	0 B ON APR 01	---	1935
1936	---	22.5 ON APR 19	0 B ON MAR 01	20 400	1936
1937	---	0.362 ON APR 14	0 B ON APR 01	---	1937
1938	---	27.5 ON APR 13	0 B ON MAR 26	---	1938
1939	---	15.4 ON MAR 29	0 B ON MAR 01	20 200	1939
1940	---	63.7 ON APR 26	0 B ON APR 01	---	1940
1941	---	38.5 ON APR 10	0 B ON MAR 01	42 600	1941
1942	---	0.122 ON APR 14	0 B ON MAR 01	148	1942
1943	---	53.2 ON APR 09	0 ON MAR 01	49 200	1943
1947	---	47.6 ON MAR 29	0 B ON MAR 01	52 100	1947
1948	---	150 E ON APR 26 *	0 B ON MAR 01	122 000	1948
1949	---	0.453B ON APR 06	0 B ON MAR 01	503	1949
1950	---	0.025 ON APR 19	0 ON MAR 01	---	1950
1951	---	28.6 B ON APR 16	0 B ON MAR 01	---	1951
1952	---	123 ON APR 08	0 B ON MAR 01	105 000	1952
1953	---	11.7 ON MAY 14	0 B ON MAR 01	14 200	1953
				33 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0	0	0	0	0	---	---	---	1983
1984	---	---	0	0	0	0	0	0	0	0.317	---	---	0.040	1984
1985	---	---	0	3.49	0.517	0.793	1.17	0.366	0	0.068	---	---	0.793	1985
1986	---	---	0	0	0.132	0.809	0.795	0.440	0.091	0	---	---	0.283	1986
1987	---	---	0	0.041	0.317	0.310	0.575	0.212	0	0.062	---	---	0.191	1987
1988	---	---	0	0	0.509	0.332	0.354	0.154	0.140	0	---	---	0.186	1988
1989	---	---	0	0.001	0.226	0.280	0.541	0.405	0	0.043	---	---	0.188	1989
1990	---	---	0	0.001	0.203	0.498	1.07	0.414	0.018	0.031	---	---	0.281	1990
MEAN	---	---	0	0.505	0.272	0.378	0.563	0.249	0.031	0.065	---	---	0.280	MEAN

LOCATION - LAT 51 14 23 N DRAINAGE AREA, 1 930 km²
LONG 111 37 51 W REGULATED SINCE 1983

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---		---	1983
1984	1.83 AT 00:49 MST ON OCT 11	1.72 ON OCT 11	0A ON MAY 10 * 0 ON MAR 01	848	1984
1985	15.6 AT 09:59 MST ON APR 11 *	15.5 ON APR 11 *	0B ON MAR 01	16 800	1985
1986	1.28 AT 00:32 MST ON JUN 18	1.27 ON JUN 18	0E ON MAR 01	6 000	1986
1987	0.958 AT 19:45 MST ON JUL 25	0.911 ON JUL 19	0 ON MAR 01	4 030	1987
1988	0.922 AT 15:58 MST ON JUN 08	0.711 ON MAY 22	0B ON MAR 01	3 950	1988
1989	0.804 AT 07:29 MST ON JUL 24	0.717 ON JUL 24	0B ON MAR 01	3 990	1989
1990	1.47 AT 22:41 MST ON JUL 28	1.46 ON JUL 27	0B ON MAR 01	5 950	1990
				5 940	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.009	0.003	0	0	---	---	---	1967
1968	---	---	0.248	0.011	0	0	0	0.009	0.006	0.009	---	---	0.036	1968
1969	---	---	0	2.93	0.046	0.001	0.014	0	0.012	0	---	---	0.368	1969
1970	---	---	0	3.71	0.128	0.110	1.78	0.110	0.007	0.004	---	---	0.725	1970
1971	---	---	0	3.38	0.068	0.020	0.545	0.005	0	0	---	---	0.497	1971
1972	---	---	0	0.719	0.019	0.400	0.140	0.007	0.001	0	---	---	0.158	1972
1973	---	---	0.326	0.527	0.067	1.16	0.128	0.546	0.001	0.001	---	---	0.341	1973
1974	---	---	0	7.17	2.18	0.188	0.075	0	0	0	---	---	1.19	1974
1975	---	---	0	1.91	1.42	0.026	0.271	0.001	0	0	---	---	0.451	1975
1976	---	---	0.002	1.54	0.004	0	0	0	0	0	---	---	0.190	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.179	0.638	0	0.046	0.004	0	0.918	0.032	---	---	0.224	1978
1979	---	---	0.598	0.355	0.046	0.010	0	0	0	0	---	---	0.126	1979
1980	---	---	0	0.619	0.005	0.004	0	0	0	0	---	---	0.077	1980
1981	---	---	0.186	0.019	0.002	0	0	0	0	0	---	---	0.026	1981
1982	---	---	0	0.313	0.007	0	0.015	0	0	0	---	---	0.041	1982
1983	---	---	0.006	0.089	0.009	0.192	0.536	0.001	0	0	---	---	0.104	1983
1984	---	---	0.030	0.040	0	0	0	0	0.003	0.001	---	---	0.009	1984
1985	---	---	0.892	1.91	0.180	0.015	0	0.012	0.001	0	---	---	0.373	1985
1986	---	---	0.342	0.033	0.005	0.001	0.980	0.357	0	0.076	---	---	0.227	1986
1987	---	---	0.070	2.16	0.019	0	0	0	0.046	0	---	---	0.281	1987
1988	---	---	0	0.477	0.002	0.219	0	0	0	0	---	---	0.085	1988
1989	---	---	0.006	0.365	0.004	0	0.469	0.033	0.001	0	---	---	0.109	1989
1990	---	---	1.15	0.548	0.004	0.424	1.33	0.013	0.001	0.001	---	---	0.435	1990
MEAN	---	---	0.175	1.28	0.184	0.122	0.262	0.046	0.042	0.005	---	---	0.264	MEAN

LOCATION - LAT 52 26 04 N LONG 112 21 18 W DRAINAGE AREA, 223 km^2 NATURAL FLOW

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---		---	1967
1968	---	0.878E ON MAR 01	0E ON AUG 18 *	756	1968
1969	---	18.7 ON APR 10	0 ON MAY 01 0B ON MAR 01	7 780	1969
1970	19.3 B AT 09:20 MST ON APR 12	18.9 B ON APR 12	0B ON MAR 01	15 400	1970
1971	14.0 AT 04:00 MST ON APR 15	13.7 ON APR 15	0B ON MAR 01	10 500	1971
1972	5.44 AT 09:00 MST ON JUN 11	3.40 B ON APR 08	0B ON MAR 01	3 350	1972
1973	7.93 AT 16:30 MST ON JUN 18	7.45 ON JUN 18	0B ON MAR 01	7 230	1973
1974	41.1 A AT 20:00 MST ON APR 22 *	37.7 A ON APR 22 *	0B ON MAR 01	25 100	1974
1975	11.8 AT 05:30 MST ON APR 26	11.2 ON APR 26	0B ON MAR 01	9 540	1975
1976	8.50 AT 08:20 MST ON APR 09	8.38 ON APR 09	0B ON MAR 01	4 020	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	5.64 AT 04:00 MST ON SEP 14	4.79 ON SEP 14	0B ON MAR 01	4 730	1978
1979	4.00 B AT 10:30 MST ON MAR 16	3.80 B ON MAR 16	0B ON MAR 01	2 670	1979
1980	3.57 AT 23:00 MST ON APR 12	3.35 ON APR 14	0B ON MAR 01	1 630	1980
1981	0.684B AT 15:50 MST ON MAR 15	0.505B ON MAR 15	0 ON JUN 01	554	1981
1982	---	2.69 B ON APR 17	0B ON MAR 01	872	1982
1983	3.54 AT 06:38 MST ON JUL 05	3.38 ON JUL 05	0B ON MAR 01	2 210	1983
1984	---	0.516B ON MAR 31	0B ON MAR 01	192	1984
1985	---	5.02 B ON APR 03	0B ON MAR 01	7 890	1985
1986	5.80 AT 19:43 MST ON JUL 31	5.47 ON JUL 31	0B ON MAR 01	4 800	1986
1987	9.26 AT 07:42 MST ON APR 05	8.44 B ON APR 05	0B ON MAR 01	5 950	1987
1988	4.45 AT 08:00 MST ON APR 09	3.75 ON APR 09	0B ON MAR 01	1 810	1988
1989	4.34 AT 23:00 MST ON JUL 02	3.17 ON JUL 03	0B ON MAR 01	2 320	1989
1990	13.6 AT 01:06 MST ON JUL 07	8.97 ON JUL 07	0B ON MAR 01	9 200	1990
				5 590	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	5.19	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	5.19	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 02 18 N LONG 113 26 08 W DRAINAGE AREA, 663 km² REGULATED

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	19.3 ON APR 13 *	0B ON APR 01 *	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BIRCH CREEK NEAR CONKLIN - STATION NO. 07CE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.248	0.600	3.32	1.68	1.05	0.298	0.586	0.378	---	---	1.02	1984
1985	---	---	0.228	1.30	6.38	1.32	0.175	0.363	1.39	1.05	---	---	1.53	1985
1986	---	---	0.113	0.408	1.31	0.416	3.58	1.81	0.237	0.501	---	---	1.06	1986
1987	---	---	0.214	0.735	0.760	0.833	0.346	0.323	0.301	0.293	---	---	0.475	1987
1988	---	---	0.038	0.082	0.410	0.584	0.673	0.220	0.229	0.248	---	---	0.311	1988
1989	---	---	0.004	0.050	0.812	1.29	0.604	0.312	0.516	0.513	---	---	0.511	1989
1990	---	---	0.171	1.52	2.30	2.40	0.582	0.263	0.244	0.266	---	---	0.963	1990
MEAN	---	---	0.145	0.671	2.19	1.22	1.00	0.511	0.500	0.464	---	---	0.839	MEAN

LOCATION - LAT 55 37 07 N LONG 111 05 09 W DRAINAGE AREA, 232 km² NATURAL FLOW

BIRCH CREEK NEAR CONKLIN - STATION NO. 07CE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	5.80RE ON MAY 18	0.088R ON AUG 27	21 600	1984
1985	13.3 AT 14:20 MST ON MAY 06 *	12.4 ON MAY 07 *	0.050E ON JUL 28	32 400	1985
1986	9.55 AT 12:47 MST ON JUL 19	9.27 ON JUL 19	0.002 ON JUL 03	22 400	1986
1987	1.80B AT 13:18 MST ON APR 26	1.53 ON JUN 08	0.125B ON MAR 27	10 100	1987
1988	1.44 AT 11:14 MST ON JUL 15	1.34 ON JUL 15	0.025B ON MAR 16	6 570	1988
1989	2.72 AT 09:30 MST ON JUN 18	2.65 ON JUN 18	0 B ON MAR 01 *	10 800	1989
1990	12.0 AT 09:59 MST ON JUN 12	11.5 ON JUN 12	0.080B ON APR 12	20 400	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		17 800	MEAN

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	69.1	18.9	41.1	22.3	6.46	---	1967
1968	1.15	0.767	0.954	37.7	154	64.5	98.6	40.6	61.3	43.6	29.8	7.34	62.8	1968
1969	1.99	1.17	0.784	125	147	32.1	6.63	2.95	2.96	4.16	1.55	0.865	40.0	1969
1970	0.488	0.451	0.359	18.9	62.5	26.0	13.6	6.19	7.83	12.9	3.72	0.864	18.5	1970
1971	0.499	0.422	0.205	29.3	31.0	13.8	26.6	7.39	46.7	29.0	10.7	4.31	22.9	1971
1972	1.09	0.682	0.821	4.44	232	30.0	35.3	7.86	4.20	8.86	3.33	1.33	41.7	1972
1973	1.38	0.982	0.575	9.13	76.6	139	185	172	46.7	45.9	37.3	6.91	84.5	1973
1974	3.36	1.86	1.16	84.7	224	49.2	200	51.2	25.7	22.0	7.87	2.95	82.5	1974
1975	1.50	1.13	1.05	22.7	107	162	95.6	72.8	217	95.3	28.2	5.18	96.4	1975
1976	2.01	1.42	1.26	107	55.1	41.5	46.1	29.1	12.9	29.4	12.5	2.82	40.1	1976
1977	1.48	0.917	0.603	20.1	31.9	31.5	62.4	26.9	14.0	20.1	9.00	1.34	26.0	1977
1978	0.735	0.601	0.350	10.2	62.2	37.4	15.5	10.5	90.5	145	31.6	6.79	46.4	1978
1979	2.06	1.05	0.760	1.13	138	87.6	18.5	13.2	36.2	22.7	14.9	4.56	39.8	1979
1980	1.30	0.630	0.422	18.8	11.1	10.3	23.4	66.9	23.8	16.1	3.74	0.902	21.4	1980
1981	0.565	0.353	0.374	5.79	68.2	20.5	15.1	6.06	1.52	2.64	2.33	0.855	15.1	1981
1982	0.308	0.211	0.187	5.67	128	21.8	4.57	7.09	9.82	5.32	1.74	0.676	23.0	1982
1983	0.618	0.585	0.465	41.7	90.2	23.5	54.3	50.4	16.3	11.3	8.96	1.63	36.1	1983
1984	0.791	0.551	0.535	23.8	29.3	224	113	31.1	83.0	43.8	17.2	5.11	68.0	1984
1985	1.86	1.02	0.693	29.1	215	32.9	6.02	2.30	8.79	26.2	6.97	2.27	40.4	1985
1986	1.34	1.12	0.490	18.4	136	102	98.4	43.5	10.7	8.50	3.69	2.43	52.3	1986
1987	1.87	1.19	1.29	69.1	101	87.1	25.0	115	27.2	26.3	---	---	56.4	1987
1988	---	---	0.529	55.6	158	125	222	42.8	39.0	15.4	---	---	82.3	1988
1989	---	---	1.35	14.3	269	113	36.9	15.7	16.8	17.0	---	---	60.7	1989
1990	---	---	1.42	38.4	100	33.4	10.8	3.78	5.45	4.30	---	---	24.7	1990
MEAN	1.32	0.856	0.723	34.4	114	65.9	61.4	37.3	34.4	29.0	12.9	3.28	47.0	MEAN

LOCATION - LAT 58 19 20 N DRAINAGE AREA, 9 860 km²
LONG 113 04 05 W NATURAL FLOW

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	227 ON MAY 09	0.680B ON MAR 04	1 330 000	1968
1969	334 AT 15:51 MST ON APR 30	331 ON APR 30	0.566B ON MAR 29	846 000	1969
1970	---	89.2 ON MAY 03	0.326B ON MAR 09	393 000	1970
1971	115 AT 12:00 MST ON APR 25	113 ON APR 25	0.142B ON APR 06 *	485 000	1971
1972	357 AT 22:00 MST ON MAY 13	357 ON MAY 13	0.524B ON APR 12	883 000	1972
1973	255 AT 11:00 MST ON AUG 07	254 ON AUG 06	0.476B ON MAR 29	1 790 000	1973
1974	362 AT 21:40 MST ON MAY 02	360 ON MAY 02	0.991B ON APR 02	1 750 000	1974
1975	---	326 A ON SEP 09	0.934B ON MAR 17	2 040 000	1975
1976	---	227 B ON APR 17	1.22 B ON MAR 20	850 000	1976
1977	85.8 AT 08:36 MST ON JUL 23	85.5 ON JUL 23	0.580B ON MAR 24	550 000	1977
1978	188 AT 03:25 MST ON OCT 08	188 ON OCT 08	0.297B ON MAR 20	902 000	1978
1979	233 AT 04:55 MST ON MAY 19	232 ON MAY 18	0.705B ON APR 05	842 000	1979
1980	101 AT 05:35 MST ON AUG 12	100 ON AUG 12	0.400B ON MAR 11	453 000	1980
1981	---	165 E ON MAY 01	0.340B ON MAR 01	320 000	1981
1982	182 AT 10:50 MST ON MAY 05	181 ON MAY 05	0.171B ON APR 09	486 000	1982
1983	188 AT 00:00 MST ON APR 27	185 ON APR 27	0.340B ON APR 10	764 000	1983
1984	404 AT 14:45 MST ON JUN 03 *	394 ON JUN 03 *	0.445B ON MAR 04	1 440 000	1984
1985	384 AT 10:24 MST ON MAY 06	379 ON MAY 10	0.600B ON MAR 03	855 000	1985
1986	207 AT 22:52 MST ON MAY 26	205 ON MAY 26	0.384B ON MAR 26	1 110 000	1986
1987	218 AT 14:54 MST ON AUG 02	216 ON AUG 06	0.972B ON MAR 05	1 190 000	1987
1988	294 AT 19:47 MST ON JUL 21	293 ON JUL 21	0.417B ON MAR 21	1 740 000	1988
1989	306 AT 16:59 MST ON MAY 10	306 ON MAY 11	1.06 B ON MAR 15	1 280 000	1989
1990	151 AT 14:36 MST ON MAY 12	150 ON MAY 12	1.17 B ON MAR 01	523 000	1990
				996 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	0.737	0.059	0.034	0.007	0.003	0.005	0.017	---	---	0.106	1980
1981	---	---	0.135	0.343	0.012	0.005	0	0	0	0	---	---	0.061	1981
1982	---	---	0	0.052	0.007	0.018	0.025	0.001	0	0.006	---	---	0.013	1982
1983	---	---	0	0.121	0.026	0.002	0.005	0	0	0.001	---	---	0.019	1983
MEAN	---	---	0.034	0.313	0.026	0.015	0.009	0.001	0.001	0.006	---	---	0.050	MEAN

LOCATION - LAT 52 57 20 N DRAINAGE AREA, 705 km²
LONG 110 00 35 W NATURAL FLOW

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	5.80B AT 23:30 CST ON APR 14 *	4.42 B ON APR 14 *	0B ON MAR 01 *	2 240	1980
1981	---	1.05 B ON APR 07	0B ON MAR 01	1 300	1981
1982	---	0.300E ON APR 17	0B ON MAR 01	284	1982
1983	---	0.950B ON APR 07	0B ON MAR 01	404	1983
				1 060	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.829	0.471	0.136	0.061	0.116	0.002	---	---	---	---	1935
1936	---	---	---	4.68	5.03	1.33	0.239	0.072	0.004	---	---	---	---	1936
1977	---	---	---	---	---	---	---	0.003	0.008	0.003	---	---	---	1977
1978	---	---	0.174	0.757	0.058	0.014	0.035	0.053	0.907	0.785	---	---	0.346	1978
1979	---	---	2.58	4.14	1.21	0.423	0.660	0.469	0.116	0.094	---	---	1.21	1979
1980	---	---	0.029	4.14	0.359	0.282	0.307	0.994	3.15	1.22	---	---	1.30	1980
1981	---	---	2.96	2.33	0.375	0.058	0.317	0.116	0.010	0.066	---	---	0.779	1981
1982	---	---	0	4.88	3.12	0.042	2.88	0.237	0.085	0.079	---	---	1.41	1982
1983	---	---	0.577	1.56	0.105	2.53	8.27	0.268	0.015	0.047	---	---	1.68	1983
1984	---	---	0.932	0.712	0.055	0.075	0.041	0	0.135	0.094	---	---	0.255	1984
1985	---	---	1.41	7.79	0.616	0.064	0.007	0.099	0.038	0.015	---	---	1.24	1985
1986	---	---	3.25	1.13	0.257	0.026	0.266	0.010	0.106	0.079	---	---	0.643	1986
1987	---	---	0.157	2.12	0.399	0.028	0.048	0.360	0.231	0.091	---	---	0.425	1987
1988	---	---	0.015	0.031	0.015	0.132	1.67	0.246	0.045	0.011	---	---	0.273	1988
1989	---	---	0.001	1.76	0.638	0.124	0.558	0.103	0.071	0.030	---	---	0.407	1989
1990	---	---	1.47	3.18	0.490	0.270	1.94	0.067	0.031	0.011	---	---	0.929	1990
MEAN	---	---	1.04	2.67	0.880	0.369	1.15	0.201	0.310	0.188	---	---	0.838	MEAN

LOCATION - LAT 53 24 50 N DRAINAGE AREA, 643 km²
LONG 113 30 56 W NATURAL FLOW

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	3.14 ON APR 21	0 ON APR 01 *	---	1935
1936	---	16.0 ON APR 16	0 ON APR 01	---	1936
1977	---	---	0 ON AUG 14	---	1977
1978	2.17 AT 08:50 MST ON APR 09	1.78 ON SEP 18	0 B ON MAR 01	7 320	1978
1979	9.02B AT 11:10 MST ON MAR 21	7.30B ON MAR 21	0 B ON MAR 01	25 600	1979
1980	7.58 AT 09:25 MST ON AUG 28	6.98 ON APR 18	0 B ON MAR 01	27 400	1980
1981	---	6.30B ON MAR 26	0.002 ON SEP 17	16 500	1981
1982	14.5 AT 15:40 MST ON APR 27	14.1 B ON APR 27	0 B ON MAR 01	29 900	1982
1983	19.4 AT 04:35 MST ON JUL 07 *	16.8 ON JUL 07	0 B ON MAR 01	35 500	1983
1984	---	3.70B ON MAR 27	0 B ON MAR 01	5 390	1984
1985	17.5 AT 19:10 MST ON APR 04	17.2 ON APR 04 *	0 B ON MAR 01	26 200	1985
1986	8.29B AT 11:00 MST ON MAR 20	6.89B ON MAR 20	0 ON AUG 22	13 600	1986
1987	5.98 AT 13:28 MST ON AUG 05	3.84 ON APR 09	0 B ON MAR 01	8 990	1987
1988	12.1 AT 17:42 MST ON JUL 06	9.44 ON JUL 06	0 B ON MAR 01	5 770	1988
1989	4.62 AT 01:26 MST ON JUL 09	3.83 ON JUL 09	0 B ON MAR 01	8 620	1989
1990	---	11.4 B ON MAR 31	0 B ON MAR 01	19 700	1990
				17 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	6.42	11.2	22.1	13.6	10.0	8.43	4.65	1.84	---	1916
1917	1.64	1.33	1.17	27.7	24.2	7.12	3.77	1.53	1.67	2.42	1.94	1.24	6.32	1917
1918	0.986	0.927	1.51	9.65	3.15	3.44	1.30	0.914	0.780	0.826	0.506	0.453	2.03	1918
1919	0.468	0.404	0.907	5.91	5.27	3.70	0.846	1.07	2.17	0.954	0.788	0.292	1.90	1919
1920	0.187	0.097	0.218	21.9	59.3	10.4	1.77	0.598	0.897	0.895	0.598	0.277	8.14	1920
1921	0.270	0.354	0.411	12.9	3.17	2.78	1.30	0.894	0.309	0.431	0.257	0.076	1.92	1921
1922	0.082	0.039	0.119	3.31	1.59	0.648	0.581	0.734	0.438	0.471	0.220	---	---	1922
1923	---	---	---	3.32	0.550	---	---	---	---	---	---	---	---	1923
1962	---	---	---	7.81	0.886	1.82	0.447	1.04	1.28	0.446	---	---	---	1962
1963	---	---	4.21	12.6	3.64	4.14	3.61	0.475	0.171	0.138	---	---	---	1963
1964	---	---	0.385	1.81	5.54	2.08	0.890	0.352	4.28	2.43	---	---	---	1964
1965	---	---	0.257	42.2	11.9	19.5	16.2	1.36	1.80	1.19	---	---	---	1965
1966	---	---	1.92	16.8	2.80	7.45	1.09	0.831	0.719	0.749	---	---	---	1966
1967	---	---	0.083	6.59	3.84	4.75	0.635	0.231	0.064	0.090	---	---	---	1967
1968	---	---	1.04	1.15	0.452	0.603	1.44	0.765	0.365	0.682	---	---	---	1968
1969	---	---	0.181	18.0	1.70	0.345	3.23	0.622	1.85	1.59	0.541	0.460	---	1969
1970	0.305	0.187	0.238	15.5	2.26	2.24	3.88	0.846	0.285	0.592	0.554	0.222	2.25	1970
1971	0.203	0.211	0.230	27.1	3.14	3.82	8.25	0.441	0.252	0.378	0.250	0.189	3.69	1971
1972	0.122	0.058	0.198	11.7	3.68	3.74	1.87	0.698	0.299	0.562	0.444	0.204	1.95	1972
1973	0.265	0.188	1.98	15.4	4.07	3.50	9.04	7.61	1.55	1.02	0.658	0.489	3.83	1973
1974	0.369	0.347	0.387	40.5	11.6	5.19	6.48	0.847	0.622	0.825	0.475	0.254	5.63	1974
1975	0.266	0.287	0.301	9.11	5.01	1.37	0.988	0.209	0.218	0.196	0.236	0.220	1.53	1975
1976	0.144	0.174	0.249	4.92	0.684	0.479	0.233	1.24	0.250	0.360	0.262	0.234	0.765	1976
1977	0.206	0.211	0.231	3.42	0.21	2.49	0.089	0.119	0.605	0.314	0.200	0.203	1.36	1977
1978	0.176	0.192	3.59	5.67	2.51	2.63	0.230	0.189	1.26	0.765	0.876	0.471	1.54	1978
1979	0.127	0.071	3.17	4.61	2.44	0.867	0.511	0.043	0.034	0.027	0.200	0.267	1.03	1979
1980	0.108	0.084	0.109	10.8	1.06	11.1	6.70	4.54	5.41	1.09	1.25	0.575	3.55	1980
1981	0.359	0.356	7.89	2.25	6.07	2.69	10.7	12.7	0.518	0.814	0.964	0.359	3.86	1981
1982	0.238	0.497	0.520	20.4	4.28	1.54	34.6	3.77	2.75	2.92	0.980	0.443	6.14	1982
1983	0.325	0.365	2.22	14.1	3.17	1.58	5.44	0.777	0.477	0.575	0.612	0.497	2.51	1983
1984	0.272	0.342	1.57	3.97	3.54	2.98	0.193	0.097	1.48	0.998	0.912	0.286	1.38	1984
1985	0.201	0.221	1.19	21.8	2.76	0.989	0.258	0.506	2.02	1.29	0.457	0.355	2.65	1985
1986	0.258	0.228	8.05	2.21	14.1	1.04	16.0	2.07	0.950	2.81	0.921	0.410	4.14	1986
1987	0.409	0.452	1.23	7.43	1.65	0.584	0.734	2.63	0.828	0.522	0.597	0.219	1.44	1987
1988	0.033	0.044	0.622	0.842	0.127	1.03	4.68	1.83	0.993	0.503	0.535	0.301	0.968	1988
1989	0.278	0.188	0.216	18.1	6.09	1.06	2.22	4.97	0.350	2.88	1.97	0.778	3.26	1989
1990	0.476	0.366	8.16	12.7	5.30	19.1	38.3	1.36	0.620	0.987	0.744	0.502	7.43	1990
MEAN	0.325	0.305	1.61	12.3	6.11	3.92	5.86	2.01	1.57	1.17	0.814	0.433	3.12	MEAN

LOCATION - LAT 52 21 14 N DRAINAGE AREA 1 790 km²
LONG 113 47 35 W REGULATED SINCE 1976

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	72.5 ON JUN 27	---	---	---	1915
1916	---	60.6 ON JUL 05	---	---	1916
1917	---	61.2 ON APR 11	0.558B ON DEC 27	199 000	1917
1918	---	16.9 ON APR 11	0.283B ON NOV 22	64 000	1918
1919	---	15.0 ON MAY 10	0.113B ON DEC 16	59 800	1919
1920	---	210 ON MAY 09	0.057B ON JAN 24	257 000	1920
1921	---	40.5 ON APR 17	0.014B ON DEC 18	60 500	1921
1922	---	13.3B ON APR 28	0.014B ON FEB 17	---	1922
1923	---	---	---	---	1923
1962	---	28.2B ON APR 06	---	---	1962
1963	---	30.0 ON APR 17	---	---	1963
1964	---	29.7 ON MAY 08	---	---	1964
1965	---	103 ON APR 26	---	---	1965
1966	---	99.4 ON APR 02	---	---	1966
1967	---	23.2B ON APR 27	0 ON SEP 23 *	---	1967
1968	---	16.5 ON JUL 26	0 ON JUL 18	---	1968
1969	---	94.3 ON APR 09	---	---	1969
1970	---	45.0 ON APR 07	0.170B ON FEB 18	71 000	1970
1971	---	77.9 ON APR 22	0.136 ON AUG 28	116 000	1971
1972	---	43.3B ON APR 08	0.057B ON FEB 06	61 700	1972
1973	---	53.2 ON JUL 03	0.142B ON FEB 02	121 000	1973
1974	161 A ON APR 19	148 A ON APR 20	0.224B ON DEC 18	178 000	1974
1975	39.4B AT 15:30 MST ON APR 22	36.5B ON APR 22	0.116 ON AUG 15	48 300	1975
1976	35.7 AT 11:30 MST ON APR 10	29.4 ON APR 10	0.051 ON JUL 21	24 200	1976
1977	35.1 AT 07:00 MST ON MAY 31	32.3 ON MAY 31	0.016 ON JUN 25	43 000	1977
1978	42.5B AT 07:00 MST ON MAR 29	30.9B ON MAR 30	0.034 ON AUG 07	49 500	1978
1979	---	15.0E ON APR 22	0.017 ON OCT 04	32 600	1979
1980	53.7 AT 07:00 MST ON JUL 02	48.3 ON JUN 06	0.040 ON MAY 21	112 000	1980
1981	140 AT 11:30 MST ON AUG 01	135 ON AUG 01	0.050 ON JUL 13	122 000	1981
1982	180 AT 01:44 MST ON JUL 07	169 ON JUL 07	0.175B ON JAN 23	193 000	1982
1983	---	39.0B ON APR 03	0.230B ON DEC 28	79 200	1983
1984	---	15.4B ON APR 02	0.003 ON SEP 05	43 700	1984
1985	---	51.7B ON APR 03	0.069 ON JUL 15	83 500	1985
1986	149 AT 06:45 MST ON JUL 20	132 ON JUL 20	0.150B ON FEB 15	131 000	1986
1987	---	22.0B ON APR 03	0.030B ON DEC 30	45 400	1987
1988	51.4 AT 16:03 MST ON JUL 08	42.4 ON JUL 08	0.020B ON JAN 08	30 600	1988
1989	---	75.7 ON APR 16	0.07E ON OCT 06	103 000	1989
1990	396 AT 23:26 MST ON JUL 04 *	333 ON JUL 05 *	0.265B ON DEC 31	234 000	1990
				98 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.046	14.0	6.65	11.7	4.78	0.255	0.691	0.349	---	---	4.76	1965
1966	---	---	0.772	3.06	1.31	0.586	0.438	0.644	0.197	0.158	---	---	0.891	1966
1967	---	---	0.021	2.39	2.12	2.13	0.149	0.025	0	0.003	---	---	0.847	1967
1968	---	---	0.666	0.507	0.067	0.011	0.226	0.177	0.045	0.082	---	---	0.223	1968
1969	---	---	0.026	2.99	0.665	0.096	3.45	0.850	1.18	1.12	---	---	1.30	1969
1970	---	---	0.034	4.90	1.25	0.717	1.11	0.134	0.033	0.123	---	---	1.03	1970
1971	---	---	0.031	11.0	1.18	2.14	3.40	0.043	0.011	0.028	---	---	2.20	1971
1972	---	---	0.111	4.25	1.58	2.37	0.701	0.176	0.049	0.154	---	---	1.16	1972
1973	---	---	0.278	6.90	2.24	3.12	4.63	3.44	0.333	0.381	---	---	2.66	1973
1974	---	---	0.073	15.9	5.12	2.17	3.12	0.095	0.065	0.103	---	---	3.30	1974
1975	---	---	0.014	2.60	2.42	0.407	0.171	0.012	0.014	0.040	---	---	0.706	1975
1976	---	---	0.021	1.74	0.098	0.230	0.099	1.06	0.203	0.075	---	---	0.437	1976
1977	---	---	0.049	1.55	6.37	0.883	0.004	0.276	0.822	0.280	---	---	1.29	1977
1978	---	---	1.12	1.94	2.47	1.24	0.332	0.071	1.02	0.306	---	---	1.03	1978
1979	---	---	1.23	2.10	1.25	0.540	0.299	0.053	0.028	0.047	---	---	0.691	1979
1980	---	---	0.030	4.70	1.34	11.5	2.79	4.21	4.21	0.612	---	---	3.63	1980
1981	---	---	2.23	0.757	3.75	1.17	9.35	1.77	0.091	0.185	---	---	2.43	1981
1982	---	---	0.070	7.38	2.25	0.426	20.9	0.454	0.476	0.756	---	---	4.11	1982
1983	---	---	0.593	4.73	0.989	0.471	1.43	0.046	0.013	0.060	---	---	1.03	1983
1984	---	---	0.877	1.59	1.90	1.10	0.035	0.009	0.815	0.725	---	---	0.879	1984
1985	---	---	0.334	8.94	0.894	0.204	0.037	0.063	0.982	0.487	---	---	1.47	1985
1986	---	---	1.49	0.874	6.38	0.244	8.62	0.513	0.231	1.00	---	---	2.44	1986
1987	---	---	0.522	2.39	0.519	0.272	0.320	1.36	0.157	0.110	---	---	0.703	1987
1988	---	---	0.456	0.376	0.042	0.463	3.48	---	---	---	---	---	---	1988
1989	---	---	0.100	7.45	3.32	0.733	1.29	4.26	0.284	1.89	---	---	2.41	1989
1990	---	---	2.12	4.08	3.01	9.37	15.6	0.141	0.073	0.092	---	---	4.30	1990
MEAN	---	---	0.512	4.58	2.27	2.09	3.34	0.805	0.481	0.367	---	---	1.84	MEAN

LOCATION - LAT 52 45 22 N LONG 114 17 03 W DRAINAGE AREA, 352 km² NATURAL FLOW

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	66.8A AT 11:00 MST ON JUN 01	59.2 A ON JUN 01	0.028B ON MAR 01	101 000	1965
1966	---	13.5 B ON APR 02	0.028 ON SEP 20	18 900	1966
1967	---	9.40B ON APR 24	0 ON AUG 23 *	17 900	1967
1968	---	2.06B ON MAR 05	0 ON JUN 16	4 720	1968
1969	---	33.1 ON JUL 07	0.006B ON MAR 01	27 400	1969
1970	---	14.1 ON APR 07	0.011B ON MAR 01	21 800	1970
1971	---	55.2 ON APR 21	0.003 ON AUG 23	46 500	1971
1972	---	21.1 ON JUN 26	0.006 ON MAR 01	24 600	1972
1973	---	51.0 ON JUL 02	0.057B ON MAR 01	36 200	1973
1974	---	57.8 ON APR 19	0.024 ON SEP 24	69 800	1974
1975	---	13.8 B ON APR 20	0.007 ON AUG 16	14 900	1975
1976	---	11.6 B ON APR 08	0.001 ON JUL 30	9 240	1976
1977	---	23.9 ON MAY 30	0.001 ON JUL 28	27 300	1977
1978	---	15.9 ON MAY 31	0.001B ON MAR 01	21 900	1978
1979	---	6.60 ON APR 21	0 ON SEP 03	14 600	1979
1980	---	64.1 ON JUN 04	0.020 ON MAY 22	76 900	1980
1981	---	128 ON JUL 30	0.035 ON SEP 17	51 500	1981
1982	---	167 ON JUL 05	0.039B ON MAR 01	86 900	1982
1983	---	13.8 ON APR 08	0 ON SEP 04	21 900	1983
1984	---	7.98B ON MAR 30	0.002 ON AUG 23	18 600	1984
1985	---	19.3 ON APR 11	0.001 ON JUL 31	31 100	1985
1986	213 AT 11:00 MST ON JUL 18	126 ON JUL 18	0.035 ON SEP 28	51 700	1986
1987	---	10.4 B ON APR 03	0.040B ON MAR 05	14 900	1987
1988	---	---	---	---	1988
1989	---	36.5 ON APR 15	0.032B ON MAR 19	51 000	1989
1990	329 ON JUL 03 *	229 ON JUL 03 *	0.015 ON SEP 22	91 100	1990
				38 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOCK CREEK NEAR LEEDALE - STATION NO. 05CC010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.069	0.035	0.036	---	---	---	1976
1977	---	---	0.030	0.224	0.290	0.061	0.044	0.069	0.087	0.043	---	---	0.103	1977
1978	---	---	0.142	0.287	0.197	0.151	0.094	0.057	0.139	0.069	---	---	0.141	1978
1979	---	---	0.110	0.345	0.171	0.104	0.052	0.020	0.018	0.026	---	---	0.105	1979
1980	---	---	0	0.475	0.070	0.525	0.557	0.193	0.221	0.197	---	---	0.278	1980
1981	---	---	0.243	0.208	0.511	0.181	0.384	0.158	0.083	0.060	---	---	0.230	1981
1982	---	---	0.030	0.609	0.110	0.170	0.760	0.084	0.074	0.101	---	---	0.242	1982
1983	---	---	0.155	0.356	0.062	0.058	0.311	0.096	0.070	0.044	---	---	0.144	1983
1984	---	---	0.066	0.084	0.008	0.075	0.024	0.007	0.050	0.051	---	---	0.058	1984
1985	---	---	0.167	0.506	0.055	0.041	0.002	0.024	0.120	0.090	---	---	0.125	1985
1986	---	---	0.202	0.107	0.344	0.050	0.886	0.147	0.249	0.286	---	---	0.286	1986
1987	---	---	0.286	0.259	0.102	0.044	0.089	0.062	0.091	0.054	---	---	0.123	1987
1988	---	---	0.156	0.085	0.043	0.170	0.193	0.051	0.132	0.087	---	---	0.114	1988
1989	---	---	0.036	0.730	0.130	0.073	0.068	0.043	0.044	0.077	---	---	0.149	1989
1990	---	---	0.279	0.472	0.273	0.474	1.24	0.223	0.128	0.116	---	---	0.401	1990
MEAN	---	---	0.137	0.339	0.175	0.156	0.336	0.087	0.101	0.090	---	---	0.179	MEAN

LOCATION - LAT 52 34 25 N DRAINAGE AREA, 53.6 km²
LONG 114 34 24 W NATURAL FLOW

BLOCK CREEK NEAR LEEDALE - STATION NO. 05CC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.68 B AT 18:00 MST ON APR 05	1.53 B ON APR 05	0.010 ON JUL 04	2 190	1977
1978	1.14 B AT 14:30 MST ON MAR 28	0.934B ON MAR 29	0.004B ON MAR 01	2 990	1978
1979	1.37 AT 15:00 MST ON APR 23	1.25 ON APR 23	0 B ON MAR 01 *	2 230	1979
1980	6.32 AT 00:30 MST ON JUL 15	4.37 ON JUL 15	0 B ON MAR 01	5 890	1980
1981	3.70 AT 09:50 MST ON MAY 07	3.42 ON MAY 07	0.005B ON MAR 01	4 880	1981
1982	5.15 AT 09:02 MST ON JUL 05	4.65 ON JUL 05	0 B ON MAR 01	5 120	1982
1983	1.48 AT 16:53 MST ON APR 02	1.39 ON APR 02	0.002 ON JUN 09	3 050	1983
1984	0.382 AT 09:50 MST ON OCT 04	0.220B ON MAR 25	0 ON AUG 09	1 220	1984
1985	---	2.54 B ON APR 02	0.001 ON JUL 01	2 640	1985
1986	---	14.4 ON JUL 18 *	0.026A ON JUL 04	6 050	1986
1987	---	1.75 B ON MAR 30	0.023 ON AUG 08	2 610	1987
1988	---	0.581B ON MAR 21	0.005 ON JUL 27	4 420	1988
1989	---	3.59 B ON APR 13	0 B ON MAR 01	3 150	1989
1990	17.6 AT 18:40 MST ON JUL 03 *	10.4 ON JUL 03	0.067B ON MAR 26	8 490	1990
				3 780	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO. 05CK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0	0.648	0.023	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0.648	0.023	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 10 N DRAINAGE AREA, 564 km²
LONG 111 14 10 W NATURAL FLOW

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO. 05CK003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	7.08E ON APR 13 *	0 ON MAR 01 *	---	1936
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO. 05CK007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0	0	0	0	0.047	---	---	---	1983
1984	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.783	0.046	0.003	0	0	0	0	---	---	0.102	1985
1986	---	---	0	0	0	0	0	0	0.008	0.048	---	---	0.007	1986
1987	---	---	0.001	0	0	0.018	0.146	0	0	0	---	---	0.021	1987
1988	---	---	0	0	0	0	0.067	0.002	0	0	---	---	0.009	1988
1989	---	---	0	0.017	0	0	0	0	0	0	---	---	0.002	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0	0.114	0.007	0.003	0.027	0	0.001	0.012	---	---	0.020	MEAN

LOCATION - LAT 51 05 44 N DRAINAGE AREA, 320 km²
LONG 111 14 19 W NATURAL FLOW

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO. 05CK007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	0.343 AT 13:05 MST ON OCT 15	0.337 ON OCT 15	QA ON MAY 10 *	---	1983
1984	---	0.010B ON MAR 30	0 ON MAR 01	4.32	1984
1985	---	3.10 B ON APR 04 *	QB ON MAR 01	2 160	1985
1986	0.185 AT 01:39 MST ON OCT 07	0.175 ON OCT 07	0 ON MAR 01	151	1986
1987	1.75 AT 15:48 MST ON JUL 05 *	1.50 ON JUL 05	QB ON MAR 01	440	1987
1988	0.602 AT 17:20 MST ON JUL 22	0.583 ON JUL 22	0 ON MAR 01	184	1988
1989	---	0.100B ON APR 07	QB ON MAR 01	44.8	1989
1990	0	0 ON MAR 01	0 ON MAR 01	0	1990
				426	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.055	0.026	0.028	0.028	---	---	---	1911
1912	---	---	---	---	---	---	0.062	0.013	0.023	0.014	---	---	---	1912
1964	---	---	0.014	0.011	0.012	0.008	0.007	0.008	0.017	0.008	---	---	0.010	1964
1965	---	---	0.005	4.30	0.012	0.009	0.007	0.006	0.008	0.008	---	---	0.534	1965
1966	---	---	0.951	0.404	0.008	0.008	0.006	0.006	0.006	0.006	---	---	0.175	1966
1967	---	---	0.184	1.24	1.74	0.004	0.004	0.006	0.006	0.008	---	---	0.398	1967
1968	---	---	0.007	0.013	0.012	0.009	---	---	0.012	0.012	---	---	---	1968
1969	---	---	0.007	0.365	0.032	0.039	0.026	0.024	0.027	0.027	---	---	0.068	1969
1970	---	---	0.018	0.961	0.016	0.016	0.017	0.013	0.006	0.007	---	---	0.129	1970
1971	---	---	0.013	4.70	0.307	0.054	0.015	0.017	0.015	0.016	---	---	0.630	1971
1972	---	---	0.015	0.014	0.012	0.010	0.009	0.006	0.005	0.008	---	---	0.010	1972
1973	---	---	0.021	0.022	0.024	0.274	0.020	0.014	0.010	0.020	---	---	0.051	1973
1974	---	---	0.022	2.57	0.270	0.025	0.068	0.055	0.013	0.008	---	---	0.372	1974
1976	---	---	0.018	0.018	0.014	0.016	0.014	0.015	0.008	0.002	---	---	0.013	1976
1977	---	---	0.012	0.005	0.004	0.005	0.005	0.007	0.004	0.002	---	---	0.006	1977
1978	---	---	0.008	0.006	0.003	0.002	0.002	0.002	0.002	0.004	---	---	0.004	1978
1979	---	---	0.030	0.009	0.008	0.005	0.002	0.001	0.003	0.005	---	---	0.008	1979
1980	---	---	0.038	0.010	0.004	0.003	0.002	0.003	0.003	0.003	---	---	0.008	1980
1981	---	---	0.004	0.005	0.005	0.002	0.002	0.002	0.002	0.004	---	---	0.003	1981
1982	---	---	0.007	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	0.004	1982
1983	---	---	0.004	0.004	0.003	0.002	0.002	0.002	0.002	0.002	---	---	0.003	1983
1984	---	---	0.005	0.006	0.004	0.003	0.002	0.002	0.004	0.007	---	---	0.004	1984
1985	---	---	0.045	0.670	0.005	0.004	0.002	0.002	0.004	0.005	---	---	0.090	1985
1986	---	---	0.007	0.007	0.008	0.006	0.006	0.006	0.009	0.011	---	---	0.007	1986
1987	---	---	0.007	0.009	0.005	0.003	0.006	0.011	0.007	0.007	---	---	0.007	1987
1988	---	---	0.004	0.005	0.004	0.003	0.004	0.003	0.002	0.002	---	---	0.003	1988
1989	---	---	0.021	0.009	0.002	0.002	0.003	0.002	0.002	0.002	---	---	0.006	1989
1990	---	---	0.006	0.004	0.004	0.002	0.002	0.002	0.003	0.003	---	---	0.003	1990
MEAN	---	---	0.057	0.591	0.097	0.020	0.013	0.010	0.009	0.008	---	---	0.102	MEAN

LOCATION - LAT 50 57 26 N LONG 111 03 30 W DRAINAGE AREA, 695 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1964	0.028 AT 03:00 MST ON SEP 02	0.025 ON SEP 02	0.006 ON JUL 08	221	1964
1965	34.5 AT 21:00 MST ON APR 10 *	24.9 ON APR 10	0 B ON MAR 01 *	11 300	1965
1966	19.5 B AT 12:00 MST ON MAR 31	13.6 B ON MAR 31	0 B ON MAR 04	3 700	1966
1967	7.99 AT 03:30 MST ON MAY 02	5.38 ON MAY 02	0.003 ON JUN 05	8 420	1967
1968	---	0.016 ON SEP 15	---	---	1968
1969	---	1.94 ON APR 13	0 B ON MAR 01	1 430	1969
1970	11.7 AT 15:00 MST ON APR 07	10.9 ON APR 07	0.003 ON AUG 30	2 740	1970
1971	32.0 AT 11:00 MST ON APR 16	27.2 ON APR 16 *	0.008B ON MAR 01	13 300	1971
1972	0.054 AT 20:55 MST ON MAR 22	0.026 ON MAR 22	0.002 ON AUG 23	212	1972
1973	3.94 AT 13:40 MST ON JUN 18	2.58 ON JUN 18	0.006B ON MAR 01	1 080	1973
1974	26.1 AT 21:20 MST ON APR 18	19.4 ON APR 18	0.005 ON OCT 04	7 880	1974
1976	---	0.062E ON APR 11	0 ON OCT 23	275	1976
1977	---	0.018B ON MAR 01	0.001E ON OCT 31	117	1977
1978	---	0.034B ON MAR 29	0.001 ON SEP 22	79.3	1978
1979	---	0.095B ON MAR 11	0.001 ON JUL 31	163	1979
1980	---	0.192B ON MAR 23	0 B ON MAR 01	176	1980
1981	0.011 AT 02:00 MST ON JUL 29	0.006 ON OCT 28	0.001 ON JUN 19	69.4	1981
1982	---	0.041B ON MAR 12	0.002 ON JUL 15	76.1	1982
1983	0.066 AT 13:44 MST ON MAR 10	0.015 ON MAR 10	0.001 ON MAR 17	54.8	1983
1984	0.015 AT 20:08 MST ON MAR 21	0.011 ON MAR 27	0.002B ON MAR 01	89.2	1984
1985	10.1 AT 03:47 MST ON APR 05	5.92 ON APR 05	0 B ON MAR 01	1 920	1985
1986	0.037 AT 15:22 MST ON SEP 25	0.026 ON SEP 25	0.004 ON MAR 03	156	1986
1987	0.018 AT 01:31 MST ON AUG 15	0.015 ON AUG 15	0.002 ON JUN 24	148	1987
1988	0.017 AT 03:05 MST ON AUG 02	0.009 ON AUG 02	0.001 ON SEP 01	71.1	1988
1989	---	0.314B ON MAR 31	0.001 ON MAY 28	118	1989
1990	0.011 AT 17:39 MST ON APR 27	0.013E ON MAR 02	0.001 ON APR 20	70.7	1990
				2 150	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	0.803	0.231	0.090	0.053	0.022	---	---	---	1936
1937	---	---	---	---	0.588	1.51	0.679	0.209	0.099	0.070	0.057	---	---	1937
1938	---	---	---	---	---	2.35	0.862	0.288	0.206	0.204	---	---	---	1938
1939	---	---	---	---	---	1.03	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	0.735	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	0.515	---	---	---	---	---	---	---	1941
MEAN	---	---	---	---	0.588	1.16	0.591	0.196	0.119	0.099	0.057	---	---	MEAN

LOCATION - LAT 50 38 00 N LONG 115 07 30 W DRAINAGE AREA, 28.2 km² NATURAL FLOW DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	---	---	---	1936
1937	---	2.80 ON JUN 17 *	---	---	1937
1938	---	---	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	0.378	0.303	0.243	0.293	0.257	---	---	1913
1914	---	---	---	0.392	0.486	0.243	0.110	0.090	0.106	0.345	---	---	0.253	1914
1915	---	---	---	0.443	0.787	2.50	1.55	0.826	0.715	0.699	---	---	1.07	1915
1916	---	---	---	0.719	0.936	1.71	0.754	0.347	0.316	0.394	---	---	0.737	1916
1917	---	---	---	---	1.69	1.46	0.334	0.198	0.150	0.171	---	---	---	1917
1918	---	---	---	---	0.456	0.191	0.126	0.092	0.091	0.083	---	---	---	1918
1919	---	---	---	0.229	0.147	0.049	0.009	0	0	0.024	---	---	0.065	1919
MEAN	---	---	---	0.446	0.750	1.03	0.466	0.265	0.232	0.287	0.257	---	0.531	MEAN

LOCATION - LAT 49 03 00 N LONG 113 26 40 W DRAINAGE AREA, 60.1 km² REGULATED

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	0.991 ON APR 01	0 ON APR 03 *	4 680	1914
1915	---	7.84 ON JUN 04 *	0.320 ON APR 28	19 800	1915
1916	---	2.27 ON JUN 11	0.201 ON SEP 25	13 600	1916
1917	---	2.86 ON MAY 31	---	---	1917
1918	---	0.623 ON MAY 18	---	---	1918
1919	---	0.623 ON MAY 09	0 ON JUL 23	1 200	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 820	MEAN

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	0.555	0.201	0.155	1.13	6.66	9.52	2.63	1.31	0.714	3.19	1.32	0.683	2.34	1948
1949	0.237	0.227	0.260	1.31	6.52	8.34	2.45	0.994	0.779	0.632	1.35	1.15	1.86	1949
1950	0.406	0.402	0.420	0.661	3.55	9.39	6.68	1.72	0.666	2.29	1.82	1.17	2.44	1950
1951	0.660	0.838	0.400	1.75	6.87	6.92	5.74	1.80	2.61	2.82	0.656	0.416	2.63	1951
1952	0.244	0.272	0.171	1.46	6.25	5.14	2.62	1.18	0.624	0.353	0.228	0.215	1.66	1952
1953	0.719	0.583	0.337	0.715	5.42	10.6	5.98	1.57	0.783	0.374	0.839	0.535	2.41	1953
1954	0.313	0.354	0.313	0.762	6.50	8.46	7.17	2.22	1.59	2.03	1.29	0.725	2.66	1954
1955	0.459	0.289	0.259	0.384	2.73	9.27	4.87	1.30	0.600	2.07	1.26	0.630	2.01	1955
1956	0.450	0.269	0.319	1.32	6.77	8.61	4.15	1.45	0.761	1.16	0.649	0.528	2.20	1956
1957	0.307	0.303	0.386	0.764	8.87	6.89	2.02	0.944	0.588	---	---	---	---	1957
1958	---	---	---	---	---	5.77	1.95	1.01	0.796	0.997	0.862	0.588	---	1958
1959	---	---	---	---	---	10.6	4.49	1.36	2.42	2.56	1.07	---	---	1959
1960	---	---	---	---	---	7.59	3.21	1.14	0.747	0.460	0.571	---	---	1960
1961	---	---	---	---	---	9.27	2.39	0.982	0.760	1.58	0.692	0.467	---	1961
1962	---	---	---	---	---	6.84	2.46	1.16	0.752	1.10	1.15	---	---	1962
1963	---	---	---	---	---	7.74	3.22	0.984	0.668	0.464	0.529	0.374	---	1963
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1964
MEAN	0.435	0.374	0.302	1.16	6.01	8.06	3.88	1.33	0.991	1.47	0.952	0.623	2.25	MEAN

LOCATION - LAT 48 59 50 N LONG 113 54 20 W DRAINAGE AREA, 53.9 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	14.3 AT 19:30 MST ON MAY 22	12.9 ON MAY 26	0.113B ON MAR 23 *	74 100	1948
1949	11.2 AT 03:00 MST ON MAY 28	10.4 ON MAY 28	0.156E ON FEB 19	58 700	1949
1950	21.9 ON JUN 22	17.0 ON JUN 22	0.227B ON JAN 14	77 000	1950
1951	18.0 AT 09:30 MST ON JUN 15	13.6 ON JUN 15	0.255B ON DEC 30	83 000	1951
1952	10.4 AT 01:00 MST ON OCT 01	9.85 ON MAY 20	0.153B ON MAR 11	52 600	1952
1953	25.6 AT 05:00 MST ON JUN 04	20.9 ON JUN 04 *	0.142B ON JAN 07	76 100	1953
1954	15.7 AT 09:00 MST ON MAY 19	14.4 ON MAY 19	0.170B ON JAN 22	83 900	1954
1955	15.3 AT 02:00 MST ON JUN 23	14.2 ON JUN 23	0.170B ON MAR 23	63 500	1955
1956	16.6 AT 12:30 MST ON MAY 21	15.3 ON MAY 21	0.170B ON FEB 17	69 500	1956
1957	13.4 AT 05:00 MST ON MAY 14	12.8 ON MAY 14	0.198B ON FEB 19	---	1957
1958	12.2 AT 01:00 MST ON MAY 24	11.6 ON MAY 24	---	---	1958
1959	17.7 AT 02:00 MST ON JUN 06	15.4 ON JUN 06	---	---	1959
1960	13.8 AT 04:00 MST ON JUN 03	13.3 ON JUN 03	---	---	1960
1961	14.8 AT 09:30 MST ON JUN 05	13.7 ON MAY 27	---	---	1961
1962	9.91 AT 23:00 MST ON JUN 17	9.32 ON JUN 17	---	---	1962
1963	17.5 AT 07:00 MST ON JUN 10	15.1 ON JUN 10	---	---	1963
1964	168 ON JUN 08 *	---	---	---	1964
				70 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.259	0.192	0.145	---	---	---	1980
1981	---	---	---	---	0.038	0.280	0.327	0.295	0.354	0.158	---	---	0.241	1981
1982	---	---	---	---	0.164	0.448	0.466	0.540	0.466	0.075	---	---	0.359	1982
1983	---	---	---	---	0.086	0.378	0.421	0.435	0.356	0.063	---	---	0.289	1983
1984	---	---	---	---	0.201	0.336	0.279	0.201	0.186	0.024	---	---	0.204	1984
1985	---	---	---	---	0.054	0.233	0.279	0.162	0.027	0.013	---	---	0.128	1985
1986	---	---	---	---	0.014	0.335	0.394	0.255	0.521	0.164	---	---	0.279	1986
1987	---	---	---	---	0.126	0.356	0.248	0.228	0.196	0.099	---	---	0.242	1987
1988	---	---	---	---	0.323	0.376	0.371	0.193	0.121	0.060	---	---	0.241	1988
1989	---	---	---	---	0.140	0.163	0.201	0.186	0.067	0.035	---	---	0.146	1989
1990	---	---	---	---	0.090	0.208	0.415	0.319	0.300	0.056	---	---	0.231	1990
MEAN	---	---	---	---	0.144	0.311	0.348	0.279	0.253	0.081	---	---	0.236	MEAN

LOCATION - LAT 49 47 08 N
LONG 112 18 55 W REGULATED

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	0.545 ON JUN 26	0.004E ON OCT 29	3 830	1981
1982	---	0.951 ON JUN 30	0 ON OCT 24 *	5 700	1982
1983	---	0.817 ON AUG 12	0.002E ON OCT 31	4 600	1983
1984	---	0.814 ON JUN 10	0 ON MAY 06	3 250	1984
1985	---	0.448 ON JUL 17	0 ON OCT 13	2 030	1985
1986	---	0.969 ON SEP 27 *	0.001 ON MAY 02	4 430	1986
1987	---	0.582 ON JUL 19	0 ON MAY 29	3 840	1987
1988	---	0.679 ON JUN 08	0.001E ON OCT 15	3 830	1988
1989	---	0.480 ON MAY 23	0 ON OCT 21	2 310	1989
1990	---	0.648 ON JUL 22	0 ON MAY 01	3 670	1990
				3 750	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.080	0.426	0.411	0.495	0.168	---	---	---	1966
1967	---	---	---	---	---	---	0.440	0.586	---	---	---	---	---	1967
1968	---	---	---	---	0.008	0.249	0.451	0.450	0.373	0.137	---	---	0.278	1968
1969	---	---	---	---	0.185	0.512	0.273	0.390	0.380	0.196	---	---	0.321	1969
1970	---	---	---	---	0.136	0.340	0.510	0.438	0.333	0.173	---	---	0.322	1970
1971	---	---	---	---	---	0.397	0.594	0.547	0.443	0.188	---	---	---	1971
1972	---	---	---	---	0.132	0.802	0.648	0.607	0.454	0.119	---	---	0.458	1972
1973	---	---	---	0.066	0.369	0.558	0.625	0.580	0.424	0.174	---	---	0.477	1973
1974	---	---	---	---	0.045	0.461	0.597	0.854	0.527	0.278	---	---	0.460	1974
1975	---	---	---	---	0.111	0.033	0.468	0.569	0.404	0.135	---	---	0.287	1975
1976	---	---	---	---	0.207	0.640	0.530	0.365	0.379	0.217	---	---	0.388	1976
1977	---	---	---	---	0.547	0.711	0.822	0.414	0.426	0.136	---	---	0.509	1977
1978	---	---	---	---	0.040	0.179	0.626	0.543	0.076	0.090	---	---	0.260	1978
1979	---	---	---	---	0.070	0.504	0.710	0.754	0.383	0.180	---	---	0.433	1979
1980	---	---	---	---	0.479	0.280	0.686	0.585	0.509	0.263	---	---	0.468	1980
1981	---	---	---	---	0.112	0.579	0.635	0.585	0.604	0.239	---	---	0.457	1981
1982	---	---	---	---	0.324	0.847	0.740	0.843	0.666	0.253	---	---	0.562	1982
1983	---	---	---	---	0.110	0.560	0.693	0.739	0.768	0.289	---	---	0.530	1983
1984	---	---	---	---	0.395	0.891	0.769	0.546	0.431	0.181	---	---	0.534	1984
MEAN	---	---	---	0.066	0.204	0.464	0.592	0.569	0.456	0.190	---	---	0.422	MEAN

LOCATION - LAT 49 47 13 N LONG 112 20 15 W DRAINAGE AREA, 795 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	1.01 ON JUL 21	0 ON MAY 01 *	4 410	1969
		0.869 ON JUN 07	0 ON MAY 04	5 110	
1970	---	0.889 ON JUN 14	0 ON MAY 03	5 110	1970
1971	---	0.934 ON JUL 16	---	---	1971
1972	---	1.37 ON JUN 11	0 ON MAY 17	7 280	1972
1973	---	1.32 ON JUN 15	0.003 ON OCT 31	7 590	1973
1974	---	6.51 ON AUG 02 *	0 ON MAY 08	7 310	1974
1975	---	0.883 ON AUG 17	0 ON MAY 02	4 570	1975
1976	---	1.48 ON AUG 06	0.006 ON MAY 04	6 170	1976
1977	---	1.12 ON JUL 03	0.001 ON OCT 28	8 090	1977
1978	---	0.988 ON JUL 04	0 ON MAY 21	4 140	1978
1979	---	3.39 ON AUG 24	0.006 ON OCT 30	6 890	1979
1980	---	2.13 ON MAY 24	0 E ON OCT 23	7 440	1980
1981	---	1.14 ON JUN 13	0.005E ON OCT 22	7 270	1981
1982	---	1.79 ON SEP 27	0.006 ON OCT 24	8 930	1982
1983	---	1.19 ON AUG 07	0 ON MAY 07	8 420	1983
1984	---	1.67 ON JUN 22	0 ON MAY 03	8 490	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 700	MEAN

BOW GLACIER OUTFLOW - STATION NO. 05BA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.27	---	---	---	---	---	1973
1975	---	---	---	---	---	---	3.69	---	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	3.69	2.27	---	---	---	---	---	MEAN

LOCATION - LAT 51 40 04 N LONG 116 29 00 W DRAINAGE AREA, 24.9 km² NATURAL FLOW DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BOW GLACIER OUTFLOW - STATION NO. 05BA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	---	---	---	1973
1975	---	5.95 ON JUL 12 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	16.5	23.9	10.7	6.10	4.34	---	---	---	1962
1963	---	---	---	---	12.0	26.2	25.1	18.9	14.0	7.77	---	---	---	1963
MEAN	---	---	---	---	12.0	21.4	24.5	18.8	10.1	6.06	---	---	---	MEAN

LOCATION - LAT 51 26 30 N LONG 116 12 38 W DRAINAGE AREA, 348 km² NATURAL FLOW

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	38.2 ON JUN 26	---	---	1962
1963	---	43.3 ON JUL 09 *	---	---	1963
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	15.2	8.84	---	---	---	---	---	1974
1975	---	---	---	---	---	---	12.8	6.59	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	14.0	7.72	---	---	---	---	---	MEAN

LOCATION - LAT 51 34 38 N
LONG 116 19 20 W
DRAINAGE AREA, 192 km^2
NATURAL FLOW

DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	18.4 ON JUL 14 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT BANFF - STATION NO. 05BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	176	164	70.1	44.7	23.6	---	---	---	1909
1910	---	---	---	---	87.5	151	134	78.7	35.6	34.1	---	---	---	1910
1911	9.82	9.25	8.56	10.4	35.1	177	126	72.7	45.6	19.6	11.7	10.8	44.5	1911
1912	8.23	7.55	6.34	8.34	46.0	97.0	101	82.9	56.2	28.8	16.4	11.4	40.6	1912
1913	9.10	7.91	7.24	11.7	39.3	152	101	73.7	58.7	28.9	16.5	11.5	44.6	1913
1914	9.92	8.93	8.07	11.3	52.3	139	138	73.7	42.1	34.5	16.5	10.2	45.6	1914
1915	8.13	7.84	7.53	15.9	45.0	91.6	124	101	44.4	24.6	16.2	12.6	41.9	1915
1916	10.0	9.59	7.87	9.95	27.5	139	153	76.2	50.5	24.6	15.2	10.9	44.6	1916
1917	8.65	7.46	6.49	7.10	49.3	106	123	66.9	36.0	29.2	14.1	9.50	38.8	1917
1918	8.79	7.09	6.72	9.60	40.6	161	97.7	67.4	42.5	26.6	13.8	10.4	41.1	1918
1919	8.49	7.24	5.50	9.59	58.4	105	83.3	75.1	38.6	16.5	10.9	9.36	35.8	1919
1920	8.37	7.38	6.28	7.63	21.9	85.4	183	81.6	39.6	27.1	14.0	10.4	41.3	1920
1921	9.51	8.11	7.88	8.38	50.2	124	101	64.4	26.6	22.4	16.8	11.9	37.7	1921
1922	9.59	8.53	7.62	8.00	49.3	134	90.6	75.1	46.8	27.2	14.0	9.28	40.2	1922
1923	8.79	8.33	8.64	10.5	42.2	129	102	69.0	45.1	24.1	12.9	9.62	41.8	1923
1924	9.60	9.99	8.17	7.20	65.6	88.9	95.6	72.1	42.1	20.1	13.1	9.90	37.0	1924
1925	8.98	8.03	6.62	15.0	98.5	143	106	73.4	44.3	26.8	15.8	11.4	46.7	1925
1926	9.44	7.85	7.09	13.8	40.8	73.2	95.8	62.0	46.2	23.8	14.0	9.78	34.2	1926
1927	7.77	7.21	7.41	8.95	26.4	167	110	85.5	49.8	31.8	17.4	12.7	47.0	1927
1928	9.07	7.76	8.18	10.1	110	167	158	68.9	36.5	18.1	10.8	7.66	51.1	1928
1929	6.36	5.45	6.29	6.45	30.6	125	72.8	66.6	38.2	17.8	10.3	7.94	32.9	1929
1930	6.90	7.08	7.11	15.7	55.0	153	123	78.2	44.7	19.4	11.2	7.91	44.3	1930
1931	7.16	6.46	6.04	7.64	52.6	112	91.7	60.2	42.7	19.3	12.4	9.40	35.8	1931
1932	7.99	12.0	8.50	11.5	60.4	177	104	80.5	44.9	20.3	11.8	9.08	45.6	1932
1933	7.80	7.71	7.54	10.9	43.1	165	133	69.6	39.6	22.6	17.0	9.52	44.6	1933
1934	7.40	6.57	7.31	28.9	115	116	86.5	60.3	35.1	24.6	15.6	9.36	42.9	1934
1935	12.7	8.62	7.70	9.02	40.1	142	136	78.1	39.7	19.1	10.3	7.49	42.7	1935
1936	6.26	6.09	6.38	10.9	74.1	102	72.1	53.3	30.2	16.7	11.0	6.96	33.1	1936
1937	5.62	5.42	5.94	6.97	37.9	90.9	85.5	54.2	37.2	22.7	19.5	10.2	32.0	1937
1938	8.94	7.39	7.76	9.19	53.4	155	100	46.1	47.5	23.6	11.6	8.63	40.2	1938
1939	7.67	6.36	6.92	10.1	65.4	78.4	105	62.8	36.1	24.5	17.5	10.9	36.2	1939
1940	8.11	7.36	7.36	10.0	73.6	112	90.9	58.8	47.7	27.0	14.2	10.3	39.0	1940
1941	7.88	7.08	7.34	12.1	47.5	90.0	74.7	53.3	30.3	23.5	13.4	10.8	30.6	1941
1942	9.56	7.40	6.80	9.26	37.3	96.4	115	73.3	39.5	23.6	13.2	11.1	38.0	1942
1943	10.7	9.01	8.28	16.7	30.8	76.2	142	63.3	29.8	21.3	13.1	9.79	36.2	1943
1944	8.29	7.77	6.56	8.72	48.5	107	68.9	68.8	42.3	24.7	14.9	10.3	34.8	1944
1945	8.38	7.89	7.85	7.54	29.7	87.6	82.4	53.3	32.4	21.2	13.9	10.0	30.3	1945
1946	9.18	8.89	8.44	10.8	71.1	121	87.5	58.3	48.0	24.0	14.4	11.1	39.5	1946
1947	9.68	9.03	8.40	13.7	73.3	128	100	71.7	41.6	35.2	16.9	12.5	42.2	1947
1948	9.95	9.47	9.42	11.3	92.7	166	88.2	79.3	36.5	19.2	12.7	9.48	44.8	1948
1949	7.68	7.19	8.27	9.38	62.4	67.7	53.4	47.3	30.7	18.9	13.7	8.20	28.0	1949
1950	7.87	8.20	6.91	8.86	21.7	155	125	61.2	36.5	20.5	14.6	12.2	40.0	1950
1951	9.27	7.00	6.12	10.7	71.9	107	149	66.8	38.9	26.9	15.4	11.2	43.9	1951
1952	9.75	8.98	7.69	14.0	66.8	117	105	67.6	32.0	22.4	11.5	9.48	39.2	1952
1953	9.58	7.53	7.61	8.29	32.6	128	119	64.5	28.4	22.3	14.1	11.7	39.6	1953
1954	8.82	9.05	8.61	9.17	45.9	130	184	96.2	60.1	26.4	16.1	11.3	50.9	1954
1955	9.70	8.18	8.38	8.19	20.3	128	122	60.3	35.3	20.2	13.9	11.3	37.3	1955
1956	9.71	7.08	7.57	11.1	75.0	149	97.3	54.6	27.2	17.2	11.3	8.26	39.7	1956
1957	8.77	7.52	6.77	8.41	90.5	101	70.2	46.8	29.7	21.4	13.7	11.1	34.8	1957
1958	9.93	8.87	6.90	7.87	88.0	121	95.3	60.3	33.8	22.6	12.8	10.0	40.0	1958
1959	9.68	9.47	8.26	9.08	41.7	143	118	59.5	49.2	27.2	17.0	13.8	42.3	1959
1960	9.03	8.02	9.85	11.4	27.9	102	121	57.0	35.5	22.4	15.4	11.8	36.0	1960
1961	9.12	8.95	8.64	8.72	69.9	177	83.0	67.6	31.2	25.7	14.3	11.4	43.1	1961
1962	9.20	7.75	8.10	13.3	38.3	114	104	68.4	35.5	22.2	16.2	10.2	37.4	1962
1963	8.32	8.47	8.33	11.4	44.8	132	109	67.5	45.9	26.0	16.5	11.5	41.0	1963
1964	10.5	8.60	7.93	8.98	25.5	155	129	59.1	37.5	34.7	18.3	13.4	42.4	1964
1965	12.0	12.2	8.86	10.9	34.3	154	134	83.4	39.1	30.8	20.3	12.3	46.2	1965
1966	10.6	9.14	9.36	11.2	76.1	142	141	73.0	41.6	28.9	16.2	11.6	47.8	1966
1967	9.67	8.75	8.78	8.92	34.2	208	138	74.1	46.9	24.7	11.7	8.39	48.8	1967
1968	8.99	8.24	8.71	8.30	34.7	147	110	58.8	37.9	22.7	14.4	10.4	34.2	1968
1969	9.16	8.20	7.85	13.0	69.7	134	91.7	59.1	34.9	22.7	14.2	9.42	39.6	1969
1970	8.05	8.73	7.63	7.22	27.0	110	74.5	49.1	24.9	15.3	9.27	9.77	29.4	1970
1971	7.45	7.90	6.41	8.30	60.0	137	91.7	70.9	33.8	20.0	14.2	8.97	39.0	1971
1972	9.45	7.97	8.97	8.34	51.0	210	127	81.4	39.2	24.4	15.7	11.2	49.5	1972
1973	9.48	8.49	8.02	9.03	47.0	119	99.4	58.0	31.2	21.3	14.3	11.8	36.5	1973
1974	9.38	9.74	7.11	10.5	28.6	168	132	67.9	36.3	20.5	13.0	10.4	42.9	1974
1975	7.91	7.88	7.33	7.58	22.2	83.8	102	58.9	35.1	21.5	15.6	12.0	32.0	1975
1976	9.54	7.76	7.68	10.8	66.8	97.1	143	97.7	71.7	29.3	14.6	11.1	47.5	1976
1977	8.75	7.88	7.62	11.0	41.5	105	65.8	67.5	38.8	19.9	12.4	9.80	33.1	1977
1978	8.17	7.56	8.11	9.15	34.2	126	113	58.2	45.8	27.2	16.4	12.9	39.1	1978
1979	9.98	6.97	6.98	7.37	33.1	105	87.8	52.1	31.8	16.8	10.4	9.99	31.8	1979
1980	7.61	7.45	6.00	14.8	103	120	71.9	44.2	34.5	27.5	14.0	12.0	38.8	1980
1981	10.7	8.80	8.60	10.4	73.5	98.0	144	90.1	41.9	25.8	14.6	10.4	44.9	1981
1982	8.96	10.6	8.83	8.94	29.8	136	104	63.6	48.9	24.9	14.6	11.6	39.3	1982
1983	10.5	9.05	7.26	9.70	40.4	98.9	94.6	53.6	32.0	18.5	12.0	7.92	34.1	1983
1984	8.60	6.84	6.75	9.04	18.8	100	92.9	66.0	42.9	22.7	13.9	9.50	33.9	1984
1985	8.33	8.24	7.18	10.4	55.9	87.7	75.3	47.4	38.1	22.2	13.3	10.2	32.2	1985
1986	8.39	7.51	8.47	9.47	60.4	186	108	66.4	36.1	24.5	15.3	11.5	45.1	1986
1987	9.94	8.51	8.68	10.7	71.3	96.1	72.2	49.6	32.6	17.6	10.5	8.69	33.2	1987
1988	8.53	7.74	7.74	14.0	48.5	118	81.3	55.3	34.1	25.9	14.5	11.2	35.5	1988
1989	9.40	8.33	7.32	9.48	35.7	125	86.9	77.0	41.8	21.1	17.5	12.5	37.8	1989
1990	10.7	9.11	8.57	13.0	49.0	161	126	67.0	34.3	21.6	16.4	10.9	44.2	1990
MEAN	8.92	8.11	7.64	10.5	51.7	127	108	67.0	39.6	23.7	14.4	10.4	39.7	MEAN

LOCATION - LAT 51 10 30 N DRAINAGE AREA, 2 210 km²
LONG 115 34 10 W NATURAL FLOW

BOW RIVER AT BANFF - STATION NO. 05BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	314 ON JUL 07	---	---	1909
1910	---	230 ON JUN 12	---	---	1910
1911	---	264 ON JUN 14	5.75 ON FEB 27	1 400 000	1911
1912	---	174 ON AUG 25	5.80 ON MAR 14	1 270 000	1912
1913	---	232 ON JUN 11	6.12B ON MAR 18	1 410 000	1913
1914	---	214 ON JUN 18	7.16 ON NOV 17	1 440 000	1914
1915	---	236 ON JUN 27	6.94 ON JAN 27	1 320 000	1915
1916	---	309 ON JUN 20	6.97B ON MAR 02	1 410 000	1916
1917	---	174 ON JUN 17	6.06B ON FEB 23	1 220 000	1917
1918	---	345 ON JUN 15	6.03B ON FEB 20	1 300 000	1918
1919	---	185 ON JUN 22	4.56B ON FEB 28	1 130 000	1919
1920	---	248 ON JUL 03	5.69B ON APR 03	1 310 000	1920
1921	---	171 ON JUN 09	6.17B ON MAR 11	1 190 000	1921
1922	---	209 ON JUN 05	6.57B ON MAR 27	1 270 000	1922
1923	399 AT 12:00 MST ON JUN 14 *	377 ON JUN 14 *	6.43E ON DEC 20	1 320 000	1923
1924	174 AT 09:00 MST ON JUL 05	167 ON JUL 05	6.26 ON APR 20	1 170 000	1924
1925	---	212 ON MAY 23	5.44B ON DEC 31	1 470 000	1925
1926	---	130 ON JUL 07	5.52B ON APR 05	1 080 000	1926
1927	228 AT 08:55 MST ON JUN 27	221 ON JUN 27	6.48B ON FEB 17	1 480 000	1927
1928	---	289 ON MAY 28	6.09B ON DEC 29	1 620 000	1928
1929	233 AT 23:00 MST ON JUN 02	215 ON JUN 02	4.90B ON APR 06	1 040 000	1929
1930	277 AT 10:50 MST ON JUN 08	263 ON JUN 08	6.00B ON DEC 29	1 400 000	1930
1931	---	187 ON JUN 18	4.70B ON MAR 26	1 130 000	1931
1932	283 AT 08:00 MST ON JUN 03	279 ON JUN 03	3.62B ON JAN 05 *	1 440 000	1932
1933	328 AT 20:40 MST ON JUN 17	311 ON JUN 17	5.27B ON DEC 26	1 410 000	1933
1934	---	269 ON MAY 31	4.08B ON FEB 26	1 350 000	1934
1935	---	197 ON JUN 16	5.95B ON DEC 19	1 350 000	1935
1936	---	219 ON JUN 01	5.64B ON FEB 16	1 050 000	1936
1937	---	148 ON JUN 17	5.15B ON FEB 14	1 010 000	1937
1938	---	240 ON JUN 13	6.63B ON FEB 15	1 270 000	1938
1939	---	178 ON MAY 29	5.49B ON FEB 10	1 140 000	1939
1940	---	204 ON MAY 26	6.43B ON MAR 12	1 230 000	1940
1941	---	126 ON JUN 25	6.14 ON NOV 23	966 000	1941
1942	---	166 ON JUL 05	6.37B ON FEB 17	1 200 000	1942
1943	---	209 ON JUL 10	5.04B ON FEB 28	1 140 000	1943
1944	---	158 ON JUN 12	5.55B ON MAR 13	1 100 000	1944
1945	---	126 ON JUN 22	6.99 ON APR 11	956 000	1945
1946	221 AT 11:45 MST ON MAY 29	204 ON MAY 29	7.70B ON MAR 14	1 250 000	1946
1947	---	167 ON JUN 11	7.31B ON MAR 04	1 330 000	1947
1948	---	292 ON JUN 09	8.41B ON JAN 27	1 420 000	1948
1949	---	121 ON JUN 07	6.09B ON DEC 11	884 000	1949
1950	---	286 ON JUN 21	5.04 ON MAR 31	1 260 000	1950
1951	---	243 ON JUN 16	4.25B ON MAR 05	1 380 000	1951
1952	---	155 ON JUN 30	6.06 ON APR 01	1 230 000	1952
1953	281 AT 22:00 MST ON JUN 13	260 ON JUN 14	6.00B ON FEB 09	1 250 000	1953
1954	289 AT 13:15 MST ON JUL 08	286 ON JUL 08	6.43B ON MAR 28	1 600 000	1954
1955	251 AT 12:00 MST ON JUN 14	246 ON JUN 24	6.74B ON FEB 11	1 180 000	1955
1956	274 AT 23:00 MST ON JUN 05	227 ON JUN 05	6.09B ON DEC 06	1 250 000	1956
1957	157 AT 13:00 MST ON MAY 20	152 ON MAY 20	5.86B ON MAR 05	1 100 000	1957
1958	198 AT 09:00 MST ON MAY 26	191 ON MAY 26	6.14B ON MAR 01	1 260 000	1958
1959	216 AT 12:00 MST ON JUN 22	212 ON JUN 22	6.68B ON JAN 03	1 330 000	1959
1960	187 AT 06:00 MST ON JUL 01	182 ON JUL 01	7.25B ON FEB 27	1 140 000	1960
1961	271 AT 17:00 MST ON JUN 06	266 ON JUN 07	7.59B ON JAN 19	1 360 000	1961
1962	195 AT 21:00 MST ON JUN 26	184 ON JUN 26	5.44B ON FEB 05	1 180 000	1962
1963	186 AT 03:00 MST ON JUL 09	183 ON JUN 19	6.43B ON FEB 02	1 290 000	1963
1964	---	246 ON JUN 14	7.31B ON MAR 23	1 340 000	1964
1965	297 AT 14:00 MST ON JUN 19	289 ON JUN 19	7.87B ON MAR 18	1 460 000	1965
1966	235 AT 13:00 MST ON JUN 01	225 ON JUN 01	7.93B ON MAR 03	1 510 000	1966
1967	---	275 ON JUN 24	7.53B ON MAR 11	1 540 000	1967
1968	197 AT 15:00 MST ON JUN 27	191 ON JUN 27	7.53 ON APR 22	1 190 000	1968
1969	209 AT 08:40 MST ON JUN 06	203 ON JUN 06	7.50B ON JAN 31	1 250 000	1969
1970	163 AT 08:09 MST ON JUN 05	155 ON JUN 05	5.21B ON NOV 23	926 000	1970
1971	203 AT 08:30 MST ON JUN 07	199 ON JUN 07	5.41B ON MAR 22	1 210 000	1971
1972	320 AT 06:00 MST ON JUN 12	311 ON JUN 12	7.16B ON MAR 01	1 570 000	1972
1973	322 AT 22:00 MST ON JUN 24	314 ON JUN 24	6.71B ON JAN 04	1 150 000	1973
1974	320 AT 08:25 MST ON JUN 25	317 ON JUN 25	8.09B ON MAR 22	1 350 000	1974
1975	149 AT 11:00 MST ON JUL 14	144 ON JUL 14	5.66B ON MAR 08	1 010 000	1975
1976	197 AT 16:00 MST ON JUL 01	191 ON JUL 01	5.95B ON MAR 23	1 500 000	1976
1977	221 AT 06:00 MST ON JUN 09	207 ON JUN 09	5.83B ON NOV 21	1 040 000	1977
1978	197 AT 03:30 MST ON JUN 07	189 ON JUN 06	5.75B ON JAN 30	1 230 000	1978
1979	157 AT 09:30 MST ON JUN 13	150 ON JUN 13	5.40B ON FEB 09	1 000 000	1979
1980	197 AT 10:40 MST ON MAY 22	190 ON MAY 22	4.14B ON MAR 04	1 230 000	1980
1981	233 AT 11:05 MST ON MAY 27	227 ON MAY 27	7.24B ON FEB 10	1 420 000	1981
1982	197 AT 05:00 MST ON JUN 23	192 ON JUN 22	6.15B ON JAN 16	1 240 000	1982
1983	161 AT 06:35 MST ON MAY 31	155 ON MAY 31	5.03 ON DEC 02	1 080 000	1983
1984	221 ON JUN 30	220E ON JUN 30	5.91B ON MAR 14	1 070 000	1984
1985	169 AT 21:45 MST ON MAY 25	160 ON MAY 25	6.04B ON MAR 03	1 010 000	1985
1986	317 AT 16:15 MST ON JUN 02	313 ON JUN 02	2.55B ON FEB 18	1 420 000	1986
1987	---	146A ON JUN 17	6.19B ON NOV 30	1 050 000	1987
1988	261 AT 17:24 MST ON JUN 08	244 ON JUN 08	5.11B ON JAN 05	1 120 000	1988
1989	217 AT 22:54 MST ON JUN 15	208 ON JUN 16	6.40B ON MAR 30	1 190 000	1989
1990	246 AT 10:50 MST ON JUN 02	239 ON JUN 25	8.12B ON MAR 23	1 390 000	1990
				1 250 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CALGARY - STATION NO. 05BH004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1897	---	---	---	---	---	---	---	---	---	---	---	---	---	1897
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1911	---	25.9	24.3	36.6	75.8	324	268	209	126	68.6	45.6	21.9	---	1911
1912	31.4	26.7	29.2	44.5	97.2	252	205	231	137	86.8	58.8	27.9	110	1912
1913	31.7	31.9	33.8	47.1	90.7	327	217	193	134	74.7	55.3	30.8	108	1913
1914	29.9	26.8	29.3	42.5	105	289	273	134	82.9	78.5	50.1	31.5	98.1	1914
1915	34.7	34.0	39.6	45.5	126	296	410	235	117	75.9	49.5	36.0	126	1915
1916	31.6	36.4	44.2	57.5	94.4	416	437	237	192	96.1	66.1	47.6	147	1916
1917	40.7	34.6	35.7	51.2	157	342	296	163	102	76.3	48.5	35.1	113	1917
1918	36.9	24.8	29.4	46.8	85.9	295	196	145	100	71.0	44.0	33.8	92.7	1918
1919	36.7	30.6	24.7	35.7	115	197	154	166	85.3	52.4	38.6	26.8	80.6	1919
1920	23.5	25.3	22.9	37.0	83.7	176	390	164	84.7	61.2	41.3	29.0	95.4	1920
1921	30.9	28.1	29.4	36.6	119	264	210	129	66.4	48.5	38.4	31.6	86.1	1921
1922	29.9	28.1	31.1	34.9	85.6	253	176	143	88.9	49.9	36.2	26.6	81.0	1922
1923	24.7	23.6	18.9	29.3	79.6	472	268	170	104	62.2	44.2	33.0	111	1923
1924	24.6	29.6	30.5	38.2	123	204	221	186	97.9	55.4	39.0	29.4	90.1	1924
1925	35.9	28.3	31.4	52.6	162	271	191	154	105	81.4	58.4	44.1	102	1925
1926	28.6	32.5	34.9	51.3	73.4	121	150	96.1	170	101	59.9	43.2	80.3	1926
1927	37.6	30.4	32.6	57.1	75.3	358	293	201	162	106	63.4	42.3	122	1927
1928	31.3	38.5	67.3	54.6	177	395	325	147	87.9	55.8	39.6	26.5	122	1928
1929	22.8	26.2	32.7	42.7	83.6	335	145	113	69.4	27.4	30.4	25.7	79.5	1929
1930	21.9	19.6	32.6	32.8	89.6	287	226	129	86.8	46.1	34.5	32.6	86.8	1930
1931	31.1	31.8	39.6	43.6	52.2	198	158	110	85.1	43.3	33.2	28.2	71.1	1931
1932	28.1	27.9	28.8	39.0	110	431	183	139	99.6	51.8	37.6	29.2	100	1932
1933	30.4	26.7	32.5	47.5	104	297	236	131	90.9	52.0	44.9	30.5	94.0	1933
1934	32.3	33.0	31.0	69.1	195	220	138	101	69.5	45.2	37.2	31.2	83.8	1934
1935	23.9	30.3	30.0	41.4	67.4	245	243	141	75.3	47.9	34.5	35.0	84.8	1935
1936	33.4	37.9	22.3	30.7	108	196	126	96.0	59.0	35.4	30.6	33.3	67.6	1936
1937	30.7	23.3	33.3	29.8	45.7	168	169	111	70.9	53.0	47.4	35.2	66.6	1937
1938	28.6	26.9	26.1	31.1	116	313	225	99.2	81.2	50.3	35.4	33.4	80.5	1938
1939	26.1	31.3	28.9	34.6	84.9	178	187	114	77.0	51.6	42.8	36.0	74.6	1939
1940	27.8	28.6	28.1	32.9	119	169	134	95.3	94.8	52.7	33.8	31.1	70.7	1940
1941	27.1	25.1	43.0	41.9	43.6	136	107	95.5	68.8	46.6	33.9	29.1	58.4	1941
1942	20.6	30.1	29.3	40.2	98.4	204	212	137	90.9	63.3	43.9	33.4	85.5	1942
1943	46.9	40.3	46.3	81.6	78.0	146	246	114	64.7	52.1	49.0	44.4	84.5	1943
1944	42.5	38.0	43.4	63.4	53.3	168	104	111	74.4	49.9	48.1	43.9	69.9	1944
1945	44.4	35.2	35.4	48.9	64.9	213	172	99.5	70.0	54.8	48.1	46.4	77.9	1945
1946	47.4	44.2	39.3	58.0	126	230	156	106	97.9	62.1	49.8	51.9	89.2	1946
1947	46.9	43.9	45.8	63.1	153	280	189	104	87.9	81.3	58.1	52.9	101	1947
1948	49.1	51.4	47.0	64.4	207	330	173	153	82.2	56.2	47.5	45.5	109	1948
1949	49.8	40.0	40.8	53.3	87.2	133	99.3	86.4	58.5	52.1	33.6	35.1	64.4	1949
1950	33.1	25.5	29.7	30.4	48.2	209	171	102	74.6	---	---	---	---	1950
1952	---	---	---	---	131	232	205	145	89.2	70.3	---	---	---	1952
1953	---	---	---	---	---	206	243	117	92.4	73.2	70.5	65.0	---	1953
1954	62.8	52.3	52.5	87.7	107	236	275	194	156	91.9	76.8	71.6	122	1954
1955	63.2	67.3	66.7	84.6	114	166	181	102	74.3	58.5	62.8	60.5	91.9	1955
1956	69.6	69.2	65.2	93.5	106	220	164	107	80.8	70.3	52.2	50.6	95.6	1956
1957	47.8	54.5	60.5	65.3	140	159	113	83.9	67.8	65.2	52.8	56.5	80.7	1957
1958	63.0	79.0	69.7	89.9	127	182	163	101	69.9	69.8	63.6	59.1	94.8	1958
1959	67.6	63.9	46.7	68.1	77.3	202	163	100	80.9	61.5	57.0	72.6	88.4	1959
1960	68.1	61.1	61.9	71.9	90.1	145	182	108	66.7	59.5	57.5	57.6	85.9	1960
1961	71.6	58.7	51.7	69.0	127	226	178	111	78.4	74.7	69.7	80.5	97.7	1961
1962	76.0	76.2	82.9	91.5	97.5	169	157	118	86.1	64.8	54.5	54.1	91.6	1962
1963	41.6	61.5	55.6	69.3	70.5	204	197	116	102	62.5	60.6	58.1	93.9	1963
1964	54.6	56.3	67.4	72.6	94.8	219	196	100	77.8	76.4	61.1	69.1	95.5	1964
1965	62.1	49.9	47.1	89.3	66.8	245	265	161	105	104	81.7	70.8	113	1965
1966	78.3	68.4	73.8	84.5	110	231	221	127	96.3	69.2	66.6	65.2	108	1966
1967	69.8	63.1	65.4	107	85.0	311	207	138	98.3	70.9	63.3	63.8	112	1967
1968	72.6	69.2	54.8	43.9	64.6	190	158	103	99.9	85.9	39.7	44.5	85.5	1968
1969	64.6	56.9	49.0	63.1	146	263	229	120	86.0	67.5	51.7	50.5	104	1969
1970	50.8	53.3	46.2	56.3	76.4	188	139	97.1	71.9	62.1	57.8	60.1	80.0	1970
1971	47.8	33.5	42.8	47.5	108	214	141	136	81.2	68.5	50.3	45.6	84.9	1971
1972	56.8	48.4	53.5	50.0	102	308	233	155	103	74.1	53.5	58.8	108	1972
1973	51.9	62.2	60.4	92.7	112	299	180	105	71.4	56.5	55.6	54.3	89.4	1973
1974	56.4	58.4	60.8	73.5	111	279	207	157	100	49.0	47.6	58.7	105	1974
1975	64.0	56.7	56.5	50.8	83.2	142	151	95.5	70.3	42.8	50.1	57.1	76.8	1975
1976	59.1	60.8	57.8	55.5	134	162	181	173	136	67.9	56.9	47.9	98.4	1976
1977	53.5	61.5	46.2	44.8	65.4	127	89.1	89.9	68.5	49.8	46.9	46.9	66.7	1977
1978	56.5	68.3	68.5	50.7	85.6	172	155	98.2	85.0	67.5	50.2	48.1	84.7	1978
1979	60.3	69.7	70.0	59.5	85.2	120	103	83.9	68.7	40.4	31.0	33.2	68.7	1979
1980	41.7	42.8	42.9	58.6	133	219	107	87.0	67.4	64.6	57.5	58.1	81.6	1980
1981	65.5	60.1	50.2	68.9	170	233	256	201	99.6	56.7	58.0	44.2	114	1981
1982	56.4	50.9	41.2	50.7	71.8	193	159	94.4	74.2	59.2	54.9	59.2	80.5	1982
1983	53.4	52.4	49.4	64.4	75.7	136	132	105	73.8	52.5	49.8	40.1	73.8	1983
1984	51.8	49.8	40.2	47.3	57.0	128	122	82.3	77.8	55.7	44.5	41.2	67.3	1984
1985	42.8	44.3	49.5	51.2	93.2	115	121	87.9	87.0	48.9	42.1	65.6	70.8	1985
1986	54.9	55.5	56.8	51.6	94.8	295	164	106	78.3	73.0	65.7	74.0	97.5	1986
1987	66.0	56.9	55.4	48.7	140	118	104	81.9	87.4	51.3	49.8	43.5	75.4	1987
1988	48.3	44.7	49.9	62.6	90.7	150	124	91.9	95.7	64.2	54.0	43.9	76.6	1988
1989	48.9	54.1	52.3	49.0	70.4	148	119	120	96.5	61.7	57.8	53.4	77.7	1989

CONTINUED

BOW RIVER AT CALGARY - STATION NO. 05BH004 (CONTINUED)

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1990	53.5	54.4	58.3	67.4	115	323	232	135	78.1	62.7	64.6	55.4	108	1990
MEAN	45.7	44.2	44.3	54.5	101	231	193	129	90.6	63.1	50.2	45.6	90.9	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA 7 860 km²
LONG 114 03 00 W REGULATED SINCE 1913

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1897	2 270 ON JUN 18 *	---	---	---	1897
1902	1 560 ON JUL 04	---	---	---	1902
1911	---	467 ON JUN 25	17.0 B ON JAN 03	---	1911
1912	---	430 ON JUL 10	16.4 ON DEC 12	3 460 000	1912
1913	---	416 ON JUN 12	24.5 B ON MAR 20	3 390 000	1913
1914	---	405 ON JUN 18	22.7 B ON JAN 26	3 090 000	1914
1915	1 130 ON JUN 26	796 ON JUN 26	27.0 B ON DEC 29	3 960 000	1915
1916	810 ON JUN 21	767 ON JUN 21	20.7 B ON JAN 17	4 640 000	1916
1917	---	436 ON JUN 03	24.1 B ON MAR 17	3 570 000	1917
1918	---	532 ON JUN 16	21.8 B ON FEB 19	2 920 000	1918
1919	459 AT 04:30 MST ON AUG 05	411 ON AUG 05	15.9 B ON FEB 25	2 540 000	1919
1920	515 AT 12:00 MST ON JUL 13	510 ON JUL 13	10.2 B ON MAR 05	3 020 000	1920
1921	---	337 ON JUN 09	11.2 B ON NOV 22	2 710 000	1921
1922	377 AT 05:00 MST ON JUN 06	365 ON JUN 06	12.0 B ON DEC 11	2 550 000	1922
1923	841 AT 04:00 MST ON JUL 03	714 ON JUN 14	10.9 B ON MAR 12	3 490 000	1923
1924	385 AT 16:00 MST ON JUL 05	377 ON JUL 05	14.4 B ON DEC 17	2 850 000	1924
1925	394 AT 20:00 MST ON JUN 23	385 ON JUN 23	18.0 B ON MAR 09	3 210 000	1925
1926	277 AT 03:00 MST ON SEP 11	259 ON SEP 11	12.5 B ON JAN 05	2 530 000	1926
1927	564 AT 11:00 MST ON JUN 11	547 ON JUN 11	14.7 B ON FEB 20	3 850 000	1927
1928	575 ON JUL 01	558 ON JUL 01	10.8 B ON DEC 06	3 870 000	1928
1929	1 320 AT 10:40 MST ON JUN 03	1 150 ON JUN 03	8.55B ON NOV 26	2 510 000	1929
1930	428 AT 04:00 MST ON JUN 09	399 ON JUN 10	3.48B ON FEB 24 *	2 740 000	1930
1931	328 AT 05:00 MST ON JUN 20	306 ON JUN 20	8.03B ON DEC 07	2 240 000	1931
1932	1 520 AT 02:00 MST ON JUN 03	1 160 ON JUN 03 *	7.67B ON FEB 22	3 170 000	1932
1933	---	612E ON JUN 18	14.3 B ON FEB 13	2 960 000	1933
1934	513 AT 15:30 MST ON JUN 01	447 ON JUN 01	10.8 B ON DEC 31	2 640 000	1934
1935	394 AT 18:30 MST ON JUN 19	374 ON JUN 17	4.25B ON JAN 27	2 680 000	1935
1936	428 AT 21:00 MST ON JUN 02	408 ON JUN 03	4.25B ON MAR 09	2 130 000	1936
1937	297 AT 15:15 MST ON JUN 18	257 ON JUN 18	4.08B ON DEC 06	2 100 000	1937
1938	459 AT 18:00 MST ON JUN 23	413 ON JUN 23	5.78B ON DEC 26	2 790 000	1938
1939	320 AT 05:00 MST ON JUL 03	309 ON JUL 02	5.66B ON MAR 13	2 350 000	1939
1940	323 AT 17:20 MST ON MAY 25	271 ON MAY 25	7.87B ON JAN 15	2 240 000	1940
1941	197 AT 17:30 MST ON JUN 16	176 ON JUN 16	9.34B ON FEB 02	1 840 000	1941
1942	365 AT 16:00 MST ON JUN 09	303 ON JUN 09	5.75B ON JAN 15	2 700 000	1942
1943	365 AT 16:00 MST ON JUL 16	323 ON JUL 05	9.23B ON DEC 26	2 660 000	1943
1944	251 ON JUN 13	214 ON JUN 14	7.70 ON MAY 08	2 210 000	1944
1945	377 AT 17:00 MST ON MAY 31	306 ON JUN 23	16.0 B ON FEB 04	2 460 000	1945
1946	402 AT 18:45 MST ON MAY 29	354 ON MAY 30	25.0 B ON JAN 01	2 810 000	1946
1947	425 AT 17:00 MST ON JUN 12	374 ON JUN 10	26.3 ON MAR 09	3 180 000	1947
1948	595 AT 15:00 MST ON MAY 24	558 ON MAY 25	18.3 ON MAR 28	3 450 000	1948
1949	228 AT 19:00 MST ON JUN 08	200 ON JUN 09	10.9 ON NOV 19	2 030 000	1949
1950	490 ON JUN 23	419 ON JUN 23	8.52 ON MAY 07	---	1950
1952	487 AT 19:00 MST ON JUN 23	408 ON JUN 24	---	---	1952
1953	578 AT 11:59 MST ON JUN 13	513 ON JUN 14	---	---	1953
1954	428 AT 23:30 MST ON JUL 06	388 ON AUG 26	21.5 ON NOV 18	3 860 000	1954
1955	416 AT 23:00 MST ON JUN 24	365 ON JUN 25	26.6 ON OCT 23	2 900 000	1955
1956	377 AT 20:00 MST ON JUN 05	306 ON JUN 07	28.3 ON NOV 03	3 020 000	1956
1957	320 AT 15:00 MST ON JUN 09	270 ON JUN 09	32.8 ON APR 19	2 540 000	1957
1958	281 AT 18:00 MST ON MAY 29	250 ON JUN 13	19.3 ON NOV 16	2 990 000	1958
1959	326 AT 23:00 MST ON JUN 27	306 ON JUN 28	36.0 ON NOV 02	2 790 000	1959
1960	306 AT 06:00 MST ON JUL 02	289 ON JUL 02	35.1 ON NOV 29	2 720 000	1960
1961	396 AT 02:30 MST ON JUN 07	391 ON JUN 07	37.7 ON JAN 22	3 080 000	1961
1962	264 AT 11:00 MST ON JUN 29	249 ON JUN 28	28.9 ON DEC 02	2 870 000	1962
1963	450 ON JUN 30	317 ON JUN 30	30.6 ON MAR 24	2 950 000	1963
1964	377 AT 13:00 MST ON JUN 19	351 ON JUN 16	32.0 B ON NOV 15	3 020 000	1964
1965	473 AT 16:00 MST ON JUN 19	456 ON JUN 20	36.2 B ON MAR 08	3 550 000	1965
1966	354 AT 06:00 MST ON JUN 04	345 ON JUN 04	42.2 B ON DEC 28	3 400 000	1966
1967	428 AT 17:30 MST ON MAY 31	382 ON JUN 24	31.7 B ON DEC 03	3 530 000	1967
1968	265 AT 17:40 MST ON JUN 12	256 ON JUN 13	20.9 B ON NOV 21	2 710 000	1968
1969	401 AT 23:24 MST ON JUN 29	399 ON JUN 30	28.9 B ON MAR 30	3 290 000	1969
1970	334 AT 20:14 MST ON JUN 17	331 ON JUN 17	29.7 B ON MAR 29	2 520 000	1970
1971	388 AT 02:00 MST ON JUN 09	362 ON JUN 07	29.7 B ON APR 05	2 680 000	1971
1972	425 AT 02:50 MST ON JUL 03	402 ON JUL 03	34.0 ON APR 22	3 420 000	1972
1973	354 AT 11:30 MST ON JUN 26	334 ON JUN 26	40.2 B ON JAN 15	2 820 000	1973
1974	484 AT 17:50 MST ON JUN 26	476 ON JUN 26	42.2 B ON NOV 26	3 310 000	1974
1975	242 AT 03:30 MST ON JUL 10	224 ON JUL 16	36.2 ON OCT 26	2 420 000	1975
1976	253 AT 04:35 MST ON AUG 07	249 ON AUG 07	42.8 B ON JAN 04	3 140 000	1976
1977	---	206 ON JUN 10	38.2 ON MAY 10	2 100 000	1977
1978	292 AT 18:10 MST ON JUL 19	238 ON JUN 12	43.0 B ON APR 17	2 670 000	1978
1979	160 AT 00:55 MST ON MAY 30	141 ON MAY 30	28.6 B ON DEC 12	2 170 000	1979
1980	370 AT 00:30 MST ON JUN 19	302 ON JUN 19	34.9 B ON MAR 04	2 580 000	1980
1981	427 AT 00:50 MST ON MAY 29	425 ON MAY 28	39.9 B ON DEC 25	3 600 000	1981
1982	305 AT 03:30 MST ON JUN 30	276 ON JUN 24	35.7 B ON APR 05	2 540 000	1982
1983	225 AT 02:50 MST ON JUL 16	202 ON JUL 04	34.0 B ON DEC 27	2 330 000	1983
1984	234 AT 11:24 MST ON JUL 02	217 ON JUL 02	34.0 B ON DEC 30	2 130 000	1984
1985	198 AT 06:00 MST ON MAY 28	189 ON MAY 27	24.9 B ON NOV 16	2 230 000	1985
1986	427 AT 08:22 MST ON JUN 03	420 ON JUN 03	37.0 B ON JAN 27	3 080 000	1986
1987	207 AT 20:34 MST ON MAY 13	197 ON MAY 17	34.0 B ON DEC 19	2 380 000	1987
1988	242 AT 08:00 MST ON JUN 12	227 ON JUN 12	37.0 B ON FEB 07	2 420 000	1988
1989	244 AT 15:44 MST ON JUN 17	238 ON JUN 17	39.0 B ON JAN 01	2 450 000	1989
1990	530 AT 09:13 MST ON JUN 03	525 ON JUN 03	37.0 B ON DEC 30	3 420 000	1990
				2 870 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CANMORE - STATION NO. 05BE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	43.9	106	127	68.1	48.5	33.3	---	---	---	1975
1976	---	35.5	40.8	44.4	88.3	129	158	128	90.9	47.8	41.7	33.1	---	1976
1977	42.8	44.3	---	---	56.6	110	79.5	77.7	57.9	---	---	---	---	1977
1978	---	---	---	---	45.0	141	124	73.0	63.2	43.3	---	41.7	---	1978
1979	---	---	---	29.3	41.4	106	97.3	70.9	43.9	27.0	14.5	19.0	---	1979
1980	18.5	18.2	18.6	23.9	114	148	87.3	66.9	46.1	37.8	29.5	44.4	54.5	1980
1981	39.7	41.2	43.1	41.4	129	151	202	159	---	---	---	---	---	1981
1982	---	---	---	---	32.7	145	127	79.5	56.5	38.6	39.5	43.2	---	1982
1983	42.1	34.1	27.9	25.1	47.5	109	103	82.7	45.4	31.5	31.5	35.1	51.4	1983
1984	35.2	33.6	25.3	24.7	27.7	119	104	80.3	62.4	39.7	31.7	34.4	51.5	1984
1985	30.0	34.4	33.1	---	---	---	---	---	---	---	---	---	---	1985
MEAN	34.7	34.5	31.5	31.5	62.6	126	121	88.6	57.2	37.4	31.4	35.8	52.5	MEAN

LOCATION - LAT 51 05 05 N LONG 115 21 51 W DRAINAGE AREA, 3 840 km² REGULATED

BOW RIVER AT CANMORE - STATION NO. 05BE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	180 ON JUL 14	---	---	1975
1976	249 AT 21:30 MST ON JUL 01	223 ON JUL 01	---	---	1976
1977	243 AT 10:00 MST ON JUN 09	234 ON JUN 09 *	---	---	1977
1978	217 AT 10:30 MST ON JUN 07	194 ON JUN 07	---	---	1978
1979	151 AT 10:00 MST ON JUN 06	139 ON JUN 13	---	---	1979
1980	213 AT 22:45 MST ON JUN 18	201 ON JUN 18	11.5B ON FEB 28 *	1 720 000	1980
1981	267 AT 09:00 MST ON MAY 25 *	---	---	---	1981
1982	241 AT 08:45 MST ON JUN 23	221 ON JUN 23	---	---	1982
1983	178 AT 11:05 MST ON JUN 01	165 ON MAY 31	18.5 ON APR 21	1 620 000	1983
1984	---	234E ON JUN 30	17.0 ON MAY 06	1 630 000	1984
1985	---	---	---	---	1985
				1 660 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO. 05BH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	387	300	154	102	---	---	---	---	1908
1909	---	---	---	---	115	409	343	158	98.3	67.3	---	---	---	1909
1910	---	---	---	---	189	295	225	150	97.5	87.6	---	34.1	---	1910
MEAN	---	---	---	---	152	364	289	154	99.3	77.5	---	34.1	---	MEAN

LOCATION - LAT 51 02 00 N LONG 114 01 00 W DRAINAGE AREA, 10 100 km² REGULATED

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO. 05BH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	535 ON JUN 06	---	---	1908
1909	---	623 ON JUL 07 *	---	---	1909
1910	---	396 ON JUN 13	---	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	28.1	8.04	---	---	---	---	1910
1911	2.75	1.64	1.65	2.81	8.99	39.7	37.1	25.4	13.7	---	---	---	21.3	1911
1912	---	1.78	1.16	1.56	9.20	28.7	28.4	32.5	9.95	3.04	---	---	18.8	1912
1913	1.24	1.10	1.22	2.29	11.0	38.7	30.9	28.5	15.8	4.10	2.70	2.14	19.7	1913
1914	1.76	1.47	1.55	1.67	10.6	28.7	38.5	25.7	11.5	5.63	2.85	2.18	20.1	1914
1915	1.42	1.29	1.27	4.08	10.5	22.6	31.4	34.6	13.7	5.50	2.80	1.71	---	1915
1916	1.80	1.50	1.97	1.74	6.16	39.7	43.7	23.6	14.0	4.58	3.00	2.63	19.6	1916
1917	1.65	1.50	1.28	1.19	10.8	29.3	35.0	25.2	12.3	5.23	3.12	2.01	22.0	1917
1918	2.01	1.52	1.51	1.80	11.3	46.1	33.7	25.3	17.2	8.72	3.38	2.72	18.7	1918
1919	1.58	1.38	1.56	2.15	14.7	26.5	32.2	34.9	13.9	7.99	2.70	2.41	23.5	1919
1920	1.54	1.42	1.16	1.57	6.29	19.2	49.2	29.3	11.5	4.38	2.37	1.73	21.1	1920
1964	---	---	---	---	6.57	19.1	19.9	14.5	8.98	---	---	---	---	1964
1965	2.57	2.42	1.62	2.94	9.35	30.8	33.9	27.6	7.44	7.53	4.28	3.01	12.8	1965
1966	2.10	1.64	1.63	1.90	15.5	27.4	31.5	21.6	13.0	5.16	3.25	2.29	19.0	1966
1967	2.17	1.80	1.74	1.67	7.82	50.0	39.9	26.8	18.0	5.33	4.03	3.22	19.0	1967
1968	2.40	1.94	1.52	1.32	8.93	30.2	33.0	21.5	11.7	5.58	3.29	2.22	24.6	1968
1969	1.44	1.46	1.38	3.43	17.3	37.9	25.7	21.5	9.71	5.22	3.40	2.30	18.4	1969
1970	1.52	1.17	1.08	1.28	7.07	31.0	28.8	22.5	7.18	5.04	3.55	2.19	19.5	1970
1971	1.40	1.25	1.05	1.68	11.9	28.5	24.5	28.1	9.56	3.13	1.89	1.45	16.6	1971
1972	1.68	1.35	1.48	1.30	---	---	---	---	---	4.12	2.54	1.61	17.8	1972
1973	2.35	1.61	1.11	1.49	11.2	23.4	25.9	19.4	8.89	5.03	3.34	2.44	---	1973
1974	1.28	1.71	1.38	1.83	6.87	36.8	33.0	22.5	10.8	4.69	3.20	2.17	15.6	1974
1975	1.46	1.26	1.28	1.36	5.69	---	---	17.5	8.74	4.16	2.61	1.83	19.0	1975
1976	1.68	1.78	1.40	1.79	16.8	19.4	36.1	29.4	20.4	4.56	3.89	2.16	---	1976
1977	1.64	1.34	1.58	2.15	9.22	23.8	19.7	23.0	8.83	6.27	4.88	4.29	21.4	1977
1978	1.53	1.10	1.37	1.99	8.21	28.5	33.4	19.0	13.5	3.69	2.66	2.25	14.7	1978
1979	1.43	1.55	1.34	1.48	8.21	25.7	28.7	23.1	11.6	5.56	4.96	4.39	18.0	1979
1980	1.71	1.34	1.29	3.03	24.7	28.9	24.2	13.9	8.22	4.98	1.88	2.03	17.0	1980
1981	2.12	1.38	1.31	2.06	19.1	20.7	36.3	30.0	12.7	5.69	2.88	2.92	17.6	1981
1982	1.71	1.72	1.38	1.13	7.27	34.5	32.2	22.1	17.0	3.82	2.58	2.00	20.5	1982
1983	1.97	1.55	1.33	1.67	10.1	25.0	28.5	25.0	8.71	5.80	3.30	2.53	19.7	1983
1984	1.79	1.39	1.25	1.97	4.90	25.3	28.3	25.5	11.1	3.70	3.54	1.76	16.8	1984
1985	1.50	1.66	1.34	2.17	14.2	20.7	27.3	15.8	8.24	4.74	3.04	2.13	16.6	1985
1986	1.66	1.35	1.41	1.78	13.7	41.2	24.6	19.0	9.26	4.40	2.58	1.57	15.1	1986
1987	---	---	---	---	16.2	24.9	32.6	14.9	12.1	4.20	3.00	1.84	18.6	1987
1988	---	---	---	---	11.1	30.4	22.1	19.1	11.0	3.68	---	---	17.4	1988
1989	---	---	---	---	10.2	28.2	26.0	22.9	9.55	6.29	---	---	16.6	1989
1990	---	---	---	---	10.2	30.6	32.3	22.7	11.0	5.64	---	---	17.1	1990
MEAN	1.77	1.51	1.39	1.95	10.9	29.5	31.1	23.8	11.6	5.11	---	---	18.6	MEAN
										5.06	3.02	2.20	18.7	

LOCATION - LAT 51 25 42 N DRAINAGE AREA, 421 km²
LONG 116 11 15 W NATURAL FLOW

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	58.3 ON JUN 24	1.32 ON OCT 29	338 000	1911
1912	---	53.5 ON AUG 25	1.91 ON MAY 02	299 000	1912
1913	---	54.9 ON JUN 11	1.56 ON MAY 08	345 000	1913
1914	---	54.9 ON JUL 15	3.23 ON OCT 28	319 000	1914
1915	---	84.7 ON JUN 26	3.62 ON OCT 17	311 000	1915
1916	---	100 ON JUN 19	2.52 ON MAY 01	350 000	1916
1917	---	45.3 ON JUL 17	1.27 B ON MAY 01	298 000	1917
1918	---	123 ON JUN 14 *	4.47 ON OCT 30	374 000	1918
1919	---	47.9 ON JUN 22	2.30 B ON OCT 27	335 000	1919
1920	---	58.3 ON JUL 22	1.61 ON MAY 01	---	1920
1964	---	25.9 ON JUL 09	1.76 ON MAY 02	203 000	1964
1965	47.0 AT 24:00 MST ON JUL 08	46.4 ON JUL 08	3.31 B ON MAY 02	303 000	1965
1966	40.2 AT 08:00 MST ON JUN 01	39.6 ON JUN 01	0.680 ON OCT 04 *	303 000	1966
1967	---	52.9 ON JUN 22	1.87 B ON MAY 01	391 000	1967
1968	51.0 AT 14:00 MST ON JUL 12	50.1 ON JUL 12	1.90 B ON MAY 01	292 000	1968
1969	52.1 AT 05:03 MST ON JUN 07	50.4 ON JUN 07	3.88 ON OCT 31	310 000	1969
1970	39.1 AT 03:35 MST ON JUN 07	37.7 ON JUN 05	1.37 B ON MAY 01	264 000	1970
1971	42.2 AT 17:30 MST ON JUN 08	41.1 ON JUN 08	2.38 ON MAY 01	283 000	1971
1972	---	---	1.42 B ON MAY 01	---	1972
1973	45.6 AT 20:50 MST ON JUN 24	43.3 ON JUN 24	1.99 ON MAY 01	248 000	1973
1974	71.4 AT 03:10 MST ON JUN 25 *	69.9 ON JUN 24	3.11 ON OCT 31	302 000	1974
1975	44.5 ON JUL 14	---	1.76 ON MAY 01	---	1975
1976	45.0 AT 09:00 MST ON SEP 06	43.6 ON JUL 09	3.09 ON MAY 01	341 000	1976
1977	---	41.9E ON JUN 09	3.00 ON OCT 31	234 000	1977
1978	46.2 AT 02:00 MST ON JUL 11	44.5 ON JUL 11	4.16 ON MAY 07	286 000	1978
1979	38.4 AT 23:50 MST ON JUL 21	37.1 ON JUL 22	2.56 ON MAY 04	271 000	1979
1980	56.8 AT 00:05 MST ON MAY 22	46.9 ON MAY 21	3.28 ON OCT 31	280 000	1980
1981	56.5 AT 18:50 MST ON MAY 26	55.7 ON MAY 26	2.97 ON OCT 21	325 000	1981
1982	51.8 AT 05:20 MST ON JUL 22	49.3 ON JUL 22	1.56 ON MAY 01	314 000	1982
1983	52.5 AT 10:10 MST ON JUL 14	50.8 ON JUL 14	2.80 ON MAY 01	268 000	1983
1984	67.7 AT 23:45 MST ON JUN 29	60.8 ON JUN 30	1.90 ON MAY 04	264 000	1984
1985	44.7 AT 18:00 MST ON MAY 25	42.4 ON MAY 25	2.71 ON MAY 01	240 000	1985
1986	70.8 AT 01:58 MST ON JUN 02	68.9 ON MAY 31	2.12 ON MAY 01	295 000	1986
1987	43.9 AT 12:50 MST ON JUL 20	42.6 ON JUL 20	2.49 ON OCT 27	276 000	1987
1988	62.0 AT 06:22 MST ON JUN 08	59.2 ON JUN 08	3.86 ON OCT 31	264 000	1988
1989	51.4 AT 05:56 MST ON JUN 16	49.8 ON JUN 15	2.99 B ON OCT 31	271 000	1989
1990	47.5 AT 05:47 MST ON JUN 27	46.4 ON JUN 27	3.52 ON OCT 24	296 000	1990
				297 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	329	260	174	123	108	---	---	---	1910
1911	---	---	---	---	115	415	307	271	180	92.9	---	---	---	1911
1913	---	---	---	---	---	---	---	239	142	---	---	---	---	1913
1914	---	---	---	---	---	339	246	132	77.9	88.9	63.1	29.1	---	1914
1915	35.7	---	---	---	273	523	772	352	167	---	62.6	38.4	---	1915
1916	28.2	33.0	55.2	83.2	162	831	653	344	292	140	79.4	51.3	357	1916
1917	46.8	51.1	58.5	55.6	248	566	349	182	118	86.0	54.1	---	229	1917
1918	---	---	---	66.5	103	319	163	137	79.2	69.4	45.6	38.9	134	1918
1919	45.8	35.2	33.5	61.9	152	186	109	178	75.8	51.4	39.0	34.4	116	1919
1920	32.1	30.1	43.9	82.5	197	246	456	149	65.2	63.9	41.5	30.0	181	1920
1921	37.8	33.6	---	79.6	166	272	159	103	28.8	42.3	38.7	34.9	122	1921
1922	32.0	27.2	32.4	66.3	139	249	139	104	64.8	53.4	41.1	42.3	116	1922
1923	31.2	27.6	28.5	48.4	80.6	861	303	189	94.6	82.6	50.9	34.6	234	1923
1924	32.8	40.2	36.2	62.4	136	236	202	210	80.6	64.3	51.2	32.9	142	1924
1925	43.3	39.0	60.5	131	193	322	179	147	105	122	76.6	54.1	171	1925
1926	38.4	45.3	65.9	82.3	68.0	132	143	75.4	273	164	80.9	63.7	134	1926
1927	43.1	44.8	60.4	92.4	147	487	341	213	233	188	84.7	53.3	243	1927
1928	68.4	52.0	119	102	199	519	425	175	90.0	79.7	49.9	34.3	227	1928
1929	32.7	34.0	48.9	72.6	139	490	89.9	70.8	36.5	16.8	42.3	30.3	130	1929
1930	28.8	46.9	59.8	66.7	101	301	195	79.6	35.7	52.2	44.9	40.9	119	1930
1931	30.9	29.0	45.2	47.1	19.3	150	109	46.6	45.2	50.7	34.7	---	66.6	1931
1932	---	---	---	---	179	616	170	101	92.7	75.4	44.5	34.3	---	1932
1933	33.9	33.2	40.5	101	196	[illegible]	---	---	---	---	---	---	---	1933
1964	---	---	---	---	---	259	138	25.2	11.0	58.3	---	---	---	1964
1965	---	---	---	---	78.8	306	147	153	136	141	---	---	---	1965
1966	---	---	---	---	146	280	214	90.9	61.6	58.6	---	---	---	1966
1967	---	---	---	---	188	561	186	61.5	66.6	38.6	---	---	---	1967
1968	---	---	---	---	47.7	195	104	87.2	87.9	88.6	---	---	---	1968
1969	---	---	---	---	190	302	343	82.5	51.2	52.5	---	---	---	1969
1970	---	---	---	---	119	248	116	44.3	19.2	58.5	---	---	---	1970
1971	---	---	---	---	146	253	73.6	61.2	21.7	28.5	---	---	---	1971
1972	---	---	---	---	149	375	225	135	95.1	84.6	---	---	---	1972
1973	---	---	---	---	131	229	114	36.4	47.4	40.8	---	---	---	1973
1974	---	---	---	---	207	342	168	99.8	50.9	47.8	---	---	---	1974
1975	---	---	---	---	134	212	120	39.4	35.9	49.8	---	---	---	1975
1976	---	---	---	---	133	87.7	122	172	76.5	39.7	---	---	---	1976
1977	---	---	---	---	20.4	40.3	15.4	40.1	22.0	31.2	---	---	---	1977
1978	---	---	---	---	127	259	124	64.6	96.5	80.3	---	---	---	1978
1979	---	---	---	---	120	89.1	23.4	18.1	11.6	14.2	---	---	---	1979
1980	---	---	---	---	124	248	28.2	30.1	20.3	65.8	---	---	---	1980
1981	---	---	---	---	265	243	239	154	45.7	11.0	---	---	---	1981
1982	---	---	---	---	61.7	273	117	15.5	17.6	36.1	---	---	---	1982
1983	---	---	---	---	62.7	169	69.1	20.0	6.95	7.09	---	---	---	1983
1984	---	---	---	50.7	8.71	91.5	30.6	10.9	10.4	8.30	---	---	27.8	1984
1985	---	---	---	72.6	48.6	40.2	4.64	7.73	52.6	59.1	---	---	40.6	1985
1986	---	---	---	---	76.9	250	95.1	24.6	39.2	118	---	---	---	1986
1987	---	---	---	55.0	103	17.8	39.1	33.4	47.0	38.8	---	---	47.9	1987
1988	---	---	---	35.4	5.04	68.2	25.1	26.3	25.5	35.6	---	---	31.4	1988
1989	---	---	---	72.6	39.2	86.7	26.5	34.4	64.0	76.5	---	---	56.9	1989
1990	---	---	---	60.1	132	380	166	71.0	11.5	59.2	---	---	125	1990
MEAN	37.7	37.6	53.1	71.6	128	294	188	108	75.7	66.4	53.9	38.9	139	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 32 20 W

DRAINAGE AREA, 20 300 km² REGULATED

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	425 ON JUN 14	---	---	1910
1911	---	648 ON AUG 09	---	---	1911
1913	---	---	---	---	1913
1914	---	405 ON JUN 19	---	---	1914
1915	---	1 960 ON JUN 27	---	---	1915
1916	---	1 420 ON JUN 29	66.8 E ON APR 27	6 600 000	1916
1917	---	994 ON JUN 07	41.1 ON APR 02	4 230 000	1917
1918	---	617 ON JUN 17	35.4 ON SEP 19	2 470 000	1918
1919	---	699 ON AUG 06	19.2 ON OCT 26	2 150 000	1919
1920	---	665E ON JUL 13	33.1 ON OCT 27	3 340 000	1920
1921	422 ON JUN 09	416 ON JUN 09	12.3 ON SEP 28	2 250 000	1921
1922	436 AT 06:00 MST ON JUN 06	425 ON JUN 07	24.6 ON SEP 29	2 150 000	1922
1923	2 180 ON JUN 02	2 100 ON JUN 02	0.906E ON MAY 05 *	4 130 000	1923
1924	436 AT 04:00 MST ON JUN 30	411 ON JUN 30	29.7 ON MAY 09	2 620 000	1924
1925	538 AT 18:00 MST ON JUN 12	507 ON MAY 24	51.5 ON MAY 06	3 170 000	1925
1926	521 AT 05:00 MST ON SEP 12	510 ON SEP 12	2.83 E ON JUN 05	2 470 000	1926
1927	915 ON JUN 12	784 ON JUN 12	46.7 ON APR 13	4 490 000	1927
1928	1 040 AT 17:00 MST ON JUN 19	883 ON JUN 19	41.9 ON APR 20	4 200 000	1928
1929	2 540 AT 17:30 MST ON JUN 04 *	2 230 ON JUN 04 *	3.20 ON OCT 16	2 400 000	1929
1930	442 AT 22:00 MST ON JUN 10	413 ON JUN 10	3.40 ON AUG 28	2 190 000	1930
1931	272 AT 22:00 MST ON JUN 21	254 ON JUN 19	4.42 ON APR 12	1 230 000	1931
1932	2 310 AT 09:00 MST ON JUN 04	2 120 ON JUN 04	---	---	1932
1933	810 AT 22:30 MST ON MAY 18	580 ON JUN 19	55.2 ON APR 12	---	1933
1964	555 AT 23:00 MST ON JUN 18	524 ON JUN 19	---	---	1964
1965	974 AT 07:00 MST ON JUN 19	711 ON JUN 19	---	---	1965
1966	---	490 ON JUN 06	---	---	1966
1967	1 130R AT 01:00 MST ON JUN 01	1 080 ON JUN 01	---	---	1967
1968	708 AT 00:59 MST ON OCT 22	337 ON JUN 10	---	---	1968
1969	---	994 ON JUN 30	---	---	1969
1970	903 AT 01:10 MST ON JUN 15	685 ON JUN 15	---	---	1970
1971	750 AT 05:00 MST ON JUN 08	691 ON JUN 08	---	---	1971
1972	663 AT 10:40 MST ON JUN 11	504 ON JUN 03	---	---	1972
1973	377 AT 06:18 MST ON JUN 27	360 ON JUN 27	---	---	1973
1974	643 AT 05:10 MDT ON JUN 18	544 ON JUN 25	---	---	1974
1975	609 AT 09:00 MST ON JUN 21	439 ON JUN 21	---	---	1975
1976	---	396E ON AUG 07	---	---	1976
1977	507 AT 06:50 MST ON OCT 17	108 ON JUN 11	2.48 ON MAY 06	---	1977
1978	---	360 ON JUN 07	---	---	1978
1979	226 AT 20:45 MST ON MAY 28	218 ON MAY 29	---	---	1979
1980	---	416 ON MAY 28	---	---	1980
1981	837 AT 08:00 MST ON MAY 27	725 ON MAY 27	---	---	1981
1982	363 AT 08:25 MST ON JUL 05	259 ON JUL 05	---	---	1982
1983	303 AT 14:27 MST ON OCT 31	184 ON JUN 01	---	---	1983
1984	303 AT 14:27 MST ON OCT 31	162 ON JUN 19	4.31 ON OCT 22	515 000	1984
1985	307 AT 09:09 MST ON SEP 14	300 ON SEP 14	1.46 ON AUG 27	750 000	1985
1986	451 AT 07:06 MST ON JUN 01	411 ON JUN 03	---	---	1986
1987	233 AT 10:28 MST ON MAY 14	228 ON MAY 20	1.73 ON APR 28	885 000	1987
1988	185 AT 07:09 MST ON JUN 13	175 ON JUN 13	2.88 ON AUG 01	561 000	1988
1989	189 AT 18:24 MST ON JUN 20	181 ON JUN 18	5.21 ON MAY 23	1 050 000	1989
1990	834E AT 17:40 MST ON JUN 03	744 ON JUN 04	4.24 ON SEP 22	2 320 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 560 000	MEAN
		R - REVISED SINCE JAN 01 1989			

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BH008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	53.4	52.5	49.9	65.5	76.8	135	129	98.0	65.2	44.8	44.5	40.1	71.3	1983
1984	51.2	49.8	39.1	44.1	53.9	128	122	92.1	75.0	52.4	44.5	41.3	68.1	1984
1985	42.9	40.7	49.6	51.2	93.2	116	122	95.3	83.7	45.5	42.7	60.4	69.9	1985
1986	51.9	50.8	53.2	47.3	94.9	114	186	117	75.6	73.9	66.8	73.9	101	1986
1987	66.0	57.0	53.7	45.1	136	115	101	82.0	83.2	48.9	48.7	43.2	73.5	1987
1988	48.3	44.7	49.7	62.1	95.4	169	131	95.9	101	64.9	54.2	43.9	79.3	1988
1989	48.9	54.0	52.0	49.9	74.2	158	129	130	102	61.9	57.7	53.3	81.1	1989
1990	53.4	52.9	58.4	67.1	120	336	247	140	77.4	61.5	62.4	53.1	111	1990
MEAN	52.0	50.8	50.7	54.0	93.1	183	146	105	82.9	56.7	52.7	51.2	81.7	MEAN

LOCATION - LAT 51 05 50 N LONG 114 13 31 W DRAINAGE AREA, 7 770 km^2 REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BH008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	230 AT 02:00 MST ON JUL 16 *	193 ON MAY 31	34.0 ON DEC 27	2 250 000	1983
1984	---	225 ON JUL 02	31.2 ON OCT 27	2 090 000	1984
1985	---	189 ON MAY 27	28.9 ON NOV 15	2 200 000	1985
1986	---	412 ON JUN 03	24.1 ON JAN 07 *	3 170 000	1986
1987	---	189 ON MAY 17	33.2 ON APR 26	2 320 000	1987
1988	---	236 ON JUN 12	36.8B ON FEB 07	2 510 000	1988
1989	---	252 ON JUN 17	38.5 ON JAN 02	2 560 000	1989
1990	---	515 ON JUN 03 *	36.6B ON DEC 30	3 500 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 580 000	MEAN

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	----	----	----	73.0	203	307	224	153	111	102	----	----	168	1910
1913	----	----	----	----	---	451	271	248	162	97.6	----	----	----	1913
1914	----	----	----	----	130	310	254	---	---	---	----	----	----	1914
1956	----	----	----	----	---	294	209	126	95.5	86.9	----	----	----	1956
1957	----	----	----	----	216	196	99.0	60.4	72.2	79.1	----	----	----	1957
1958	----	----	----	----	191	242	239	109	82.9	83.9	----	----	----	1958
1959	----	----	----	----	131	299	199	102	84.6	87.5	----	----	----	1959
1960	----	----	----	----	145	194	107	113	55.1	55.7	----	----	----	1960
1961	----	----	----	----	194	300	110	172	84.1	111	----	----	----	1961
1962	----	----	----	----	119	197	125	96.7	87.2	58.6	----	----	----	1962
1963	----	----	----	----	78.8	265	295	131	106	97.7	----	----	----	1963
1964	----	----	----	----	169	315	189	70.7	42.1	78.7	----	----	----	1964
1965	----	----	----	----	103	369	174	180	130	147	----	----	----	1965
1966	----	----	----	----	181	334	251	127	89.9	89.4	----	----	----	1966
1967	----	----	----	----	201	554	213	119	92.7	84.7	----	----	----	1967
1968	----	----	----	----	91.7	243	156	109	88.6	107	----	----	----	1968
1969	----	----	----	----	237	406	385	129	77.2	76.6	----	----	----	1969
1970	----	----	----	----	139	314	149	77.9	47.9	63.7	----	----	----	1970
1971	----	----	----	----	157	286	131	107	53.9	54.6	----	----	----	1971
1972	----	----	63.6	72.2	172	416	277	181	122	94.9	73.6	68.9	191	1972
1973	54.0	64.3	78.9	77.9	159	254	166	83.4	68.9	54.5	61.7	58.2	123	1973
1974	61.8	63.9	75.2	122	208	403	220	143	89.7	68.2	54.7	63.4	179	1974
1975	59.6	66.7	72.6	89.6	133	219	170	83.5	62.9	58.3	58.4	61.4	116	1975
1976	69.8	67.8	71.3	79.0	168	155	161	203	----	56.6	----	----	----	1976
1977	----	----	----	----	98.8	110	76.4	83.0	62.0	38.9	----	----	----	1977
1978	----	----	----	----	117	277	183	105	108	93.6	----	----	----	1978
1979	----	----	----	----	140	134	81.1	64.7	51.8	47.6	----	----	----	1979
1980	----	----	----	145	164	297	----	----	59.0	73.4	----	----	----	1980
1981	----	----	----	80.3	273	332	291	201	66.4	47.3	----	----	185	1981
1982	----	----	----	----	73.5	233	159	57.1	47.7	56.8	----	----	----	1982
1983	----	----	----	83.8	94.2	149	121	73.4	51.4	41.4	----	----	87.5	1983
1984	----	----	----	53.6	42.5	136	93.4	61.4	53.1	42.2	----	----	68.6	1984
1985	----	----	----	79.2	86.6	95.6	79.2	68.2	98.7	53.5	----	----	80.0	1985
1986	----	----	----	56.8	129	311	151	73.4	93.1	120	----	----	133	1986
1987	----	----	----	67.3	140	82.0	83.1	69.2	85.8	58.0	----	----	83.7	1987
1988	----	----	----	50.6	69.9	137	93.0	79.5	69.8	54.1	----	----	79.1	1988
1989	----	----	----	62.0	80.5	154	93.9	90.4	94.0	71.9	----	----	92.3	1989
1990	----	----	----	72.8	193	424	238	128	52.7	73.0	----	----	169	1990
MEAN	61.3	65.7	72.3	79.1	145	268	184	112	79.5	74.8	62.1	63.0	125	MEAN

LOCATION - LAT 50 49 26 N DRAINAGE AREA 15 700 km²
LONG 113 26 31 W REGULATED SINCE 1908

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	416 ON JUN 13	52.7 ON APR 04	3 100 000	1910
1913	---	646 ON JUN 13	---	---	1913
1914	---	445 ON JUN 17	---	---	1914
1956	453 AT 04:00 MST ON JUN 06	411 ON JUN 03	---	---	1956
1957	405 AT 23:30 MST ON JUN 09	348 ON JUN 09	---	---	1957
1958	382 AT 11:00 MST ON JUL 08	357 ON JUL 08	---	---	1958
1959	586 AT 07:00 MST ON JUN 28	549 ON JUN 28	---	---	1959
1960	328 AT 08:00 MST ON JUL 03	309 ON JUL 03	---	---	1960
1961	538 AT 14:00 MST ON MAY 29	524 ON MAY 29	---	---	1961
1962	259 AT 13:00 MST ON JUN 19	241 ON JUN 29	---	---	1962
1963	1 250 AT 01:00 MST ON JUL 01 *	1 070 ON JUL 01	---	---	1963
1964	617 AT 08:00 MST ON JUN 18	606 ON JUN 18	---	---	1964
1965	844 AT 04:00 MST ON JUN 19	799 ON JUN 19	---	---	1965
1966	566 AT 18:00 MST ON JUN 05	549 ON JUN 05	---	---	1966
1967	1 210 AT 12:15 MST ON MAY 31	983 ON MAY 31	---	---	1967
1968	365 AT 10:12 MST ON JUN 09	354 ON JUN 09	---	---	1968
1969	1 240 AT 07:00 MST ON JUN 30	1 130 ON JUN 30 *	---	---	1969
1970	833 AT 03:20 MST ON JUN 15	753 ON JUN 15	---	---	1970
1971	728 AT 02:05 MST ON JUN 07	705 ON JUN 07	---	---	1971
1972	580 AT 07:30 MST ON JUN 10	530 ON JUN 12	57.8 ON APR 24	3 520 000	1972
1973	382 AT 22:00 MST ON JUN 26	357 ON MAY 28	27.5 ON OCT 14	2 270 000	1973
1974	682 AT 14:00 MST ON JUN 19	646 ON JUN 19	59.2 ON OCT 29	3 300 000	1974
1975	496 AT 21:00 MST ON JUN 20	447 ON JUN 21	48.1 ON OCT 27	2 150 000	1975
1976	473 AT 14:30 MST ON AUG 06	402 ON AUG 06	31.4 ON OCT 31	---	1976
1977	217 AT 08:30 MST ON JUN 10	197 ON JUN 10	---	---	1977
1978	396 AT 08:30 MST ON JUN 07	382 ON JUN 10	---	---	1978
1979	255 AT 01:00 MST ON MAY 28	242 ON MAY 28	---	---	1979
1980	500 AT 20:00 MST ON MAY 27	440 ON MAY 27	---	---	1980
1981	749 AT 03:50 MST ON MAY 27	734 ON MAY 27	24.8 ON OCT 19 *	3 410 000	1981
1982	366 AT 08:44 MST ON JUN 30	327 ON JUN 30	---	---	1982
1983	246 AT 13:14 MST ON MAY 31	236 ON MAY 31	32.2 ON OCT 16	1 620 000	1983
1984	242 AT 09:37 MST ON JUL 03	210 ON JUL 03	26.3 ON MAY 14	1 270 000	1984
1985	379 AT 12:03 MST ON SEP 13	333 ON SEP 13	26.8 ON OCT 06	1 480 000	1985
1986	509 AT 15:21 MST ON MAY 31	489 ON JUN 02	36.3 ON MAY 03	2 460 000	1986
1987	232 AT 16:38 MST ON MAY 14	219 ON MAY 14	27.9 ON SEP 25	1 550 000	1987
1988	272 AT 07:46 MST ON JUN 09	249 ON JUN 10	33.8 ON APR 13	1 460 000	1988
1989	262 AT 00:20 MST ON JUN 18	256 ON JUN 17	38.4 ON APR 30	1 710 000	1989
1990	868 AT 09:45 MST ON JUN 03	855 ON JUN 03	35.7 ON SEP 29	3 120 000	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 320 000	MEAN

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	290	231	129	96.9	51.9	48.2	---	---	1933
1934	---	---	---	65.8	193	213	140	105	74.9	49.1	39.4	---	129	1934
1935	---	31.2	31.1	40.3	74.4	243	234	137	76.6	49.1	35.6	34.1	135	1935
1936	---	---	---	26.8	115	206	131	100	61.6	39.1	32.3	---	109	1936
1937	---	---	---	31.1	49.0	175	166	119	74.8	45.9	51.7	27.7	106	1937
1938	29.9	27.4	27.1	31.5	113	300	209	160	93.0	51.9	40.2	27.4	143	1938
1939	28.6	30.8	26.0	34.2	95.1	162	182	112	77.0	54.4	48.4	38.5	114	1939
1940	31.0	30.2	27.7	31.7	125	173	134	97.8	98.9	56.3	34.6	32.9	114	1940
1941	27.1	25.7	33.6	34.2	42	134	107	96.6	69.3	49.5	33.1	29.2	83.0	1941
1942	20.9	29.4	28.8	30.8	84.1	190	199	133	87.4	62.1	44.3	49.5	127	1942
1943	46.9	40.3	45.2	72.6	77.2	143	240	117	64.9	54.3	51.0	45.4	116	1943
1944	41.6	38.5	41.0	59.7	50.8	166	104	112	72.4	48.5	45.5	41.9	91.9	1944
1945	44.5	35.2	35.4	47.3	56.0	197	163	96.2	67.7	51.5	47.2	46.1	105	1945
1946	47.8	44.0	39.6	53.1	116	222	158	103	95.4	63.6	48.5	51.9	126	1946
1947	47.2	42.7	45.9	66.2	142	266	182	96.6	84.2	79.9	61.1	53.1	140	1947
1948	49.3	51.4	47.2	64.2	193	323	178	164	87.1	57.3	53.4	46.3	167	1948
1949	50.0	38.8	40.7	52.5	88.4	126	93.3	85.8	60.8	51.4	42.6	35.3	84.3	1949
1950	33.1	25.5	29.7	30.4	46.8	201	189	100	74.9	58.0	57.6	46.2	111	1950
1951	50.9	50.5	48.8	52.4	131	212	295	158	141	96.4	79.0	72.3	172	1951
1952	62.8	56.4	52.0	88.8	122	203	179	130	93.4	64.5	56.6	55.3	130	1952
1953	59.6	58.0	54.8	79.4	89.2	240	215	106	85.3	67.7	67.1	55.6	134	1953
1954	61.9	52.3	52.9	86.1	93.4	218	247	179	142	83.8	75.2	68.7	160	1954
1955	63.9	66.2	64.0	67.9	92.8	154	172	98.0	72.2	55.2	61.6	61.3	107	1955
1956	70.1	66.6	61.6	82.1	98.3	207	155	104	79.7	70.4	53.6	51.0	119	1956
1957	48.9	53.2	56.4	61.6	130	148	108	81.8	67.4	63.1	50.5	54.7	99.5	1957
1958	62.5	77.3	66.8	77.8	108	167	124	103	71.0	70.8	63.3	59.1	112	1958
1959	68.6	62.8	44.9	65.5	71.0	188	158	103	84.4	64.6	57.1	69.5	111	1959
1960	66.3	58.0	54.1	66.7	71.1	123	158	106	69.5	58.8	57.3	56.0	97.8	1960
1961	50.2	56.5	50.0	66.0	107	236	126	121	77.4	76.4	70.9	78.6	124	1961
1962	73.8	73.1	77.2	82.3	77.7	149	144	111	81.1	---	---	---	---	1962
1968	70.5	66.0	50.8	39.4	59.8	174	148	102	97.3	79.3	38.8	44.2	110	1968
1969	63.4	54.2	46.2	51.4	133	239	209	118	86.9	67.7	53.3	49.8	142	1969
1970	50.2	50.5	43.2	49.4	68.7	168	132	91.7	71.0	62.2	58.6	58.8	98.6	1970
1971	47.4	33.1	41.2	38.0	99.4	197	140	135	79.9	67.5	50.1	46.4	120	1971
1972	56.0	47.4	47.0	43.2	88.9	292	231	154	100	67.5	49.6	57.5	155	1972
1973	51.1	59.2	55.1	47.6	96.3	190	172	99.6	66.6	50.6	55.2	53.4	112	1973
1974	56.9	56.2	57.0	63.8	94.8	273	208	150	101	47.5	45.5	57.1	145	1974
1975	62.3	56.3	54.4	45.6	73.9	127	140	89.5	66.6	39.9	49.5	55.4	89.3	1975
1976	57.2	56.8	53.9	53.0	124	151	176	166	128	70.0	56.5	44.6	136	1976
1977	59.5	56.9	44.5	43.8	62.4	120	88.7	90.2	70.0	49.8	48.9	49.4	80.0	1977
1978	---	---	---	---	85.2	174	157	101	86.0	66.1	---	---	112	1978
1979	64.0	71.5	67.5	59.0	84.0	125	106	87.9	73.1	43.5	33.2	37.2	86.5	1979
1980	---	---	---	---	133	215	110	88.5	69.0	60.4	---	---	112	1980
1981	---	---	---	---	157	214	250	196	99.1	53.7	---	---	162	1981
1982	---	---	---	---	69.7	187	153	95.1	75.4	57.6	---	---	106	1982
1983	---	---	---	---	74.6	133	128	100	68.7	48.0	---	---	92.0	1983
1984	---	---	---	---	54.5	125	124	93.8	76.0	54.0	---	---	87.7	1984
1985	---	---	---	---	94.1	116	123	88.4	82.6	45.9	---	---	91.7	1985
1986	---	---	---	---	92.8	299	165	106	72.9	69.3	---	---	134	1986
1987	---	---	---	---	139	118	101	78.7	85.9	50.7	---	---	95.3	1987
1988	---	---	---	---	92.3	149	123	88.8	94.2	62.9	---	---	102	1988
1989	---	---	---	---	88.7	148	119	119	92.9	62.2	---	---	102	1989
MEAN	52.1	49.5	47.1	54.8	96.1	190	163	112	82.6	59.5	51.2	49.8	117	MEAN

LOCATION - LAT 51 12 50 N DRAINAGE AREA 6 550 km²
LONG 114 36 40 W REGULATED SINCE 1911

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	606 AT 22:30 MST ON JUN 17 *	575 ON JUN 18 *	---	---	1933
1934	498 AT 10:30 MST ON JUN 01	425 ON JUN 01	29.2 ON OCT 28	2 050 000	1934
1935	396 AT 10:00 MST ON JUN 17	374 ON JUN 17	17.0 ON OCT 06	2 150 000	1935
1936	442 AT 22:00 MST ON JUN 02	422 ON JUN 02	13.4 ON OCT 25	1 730 000	1936
1937	297 AT 11:00 MST ON JUN 18	267 ON JUN 18	8.35 ON MAY 02	1 690 000	1937
1938	484 AT 11:30 MST ON JUN 23	416 ON JUN 23	20.2 ON MAY 01	2 270 000	1938
1939	314 AT 23:00 MST ON JUL 02	297 ON JUL 02	28.9 ON MAY 01	1 810 000	1939
1940	357 AT 11:00 MST ON MAY 25	289 ON MAY 25	20.9 ON OCT 20	1 810 000	1940
1941	205 AT 22:30 MST ON JUN 15	172 ON JUN 16	12.6 ON MAY 18	1 320 000	1941
1942	343 AT 11:30 MST ON JUN 09	292 ON JUN 09	14.3 ON MAY 10	2 010 000	1942
1943	408 AT 10:30 MST ON JUL 16	317 ON JUL 11	24.0 ON OCT 10	1 850 000	1943
1944	248 AT 11:00 MST ON JUN 02	212 ON JUN 14	17.0 ON MAY 07	1 460 000	1944
1945	365 AT 10:30 MST ON MAY 31	281 ON JUN 22	27.2 ON MAY 27	1 670 000	1945
1946	385 AT 11:30 MST ON MAY 29	337 ON MAY 29	29.0 ON OCT 20	2 010 000	1946
1947	382 AT 11:00 MST ON JUN 12	337 ON JUN 12	31.0 ON OCT 30	2 220 000	1947
1948	595 AT 09:20 MST ON MAY 24	547 ON MAY 25	31.4 ON OCT 17	2 650 000	1948
1949	---	198 ON JUN 08	19.9 ON MAY 07	1 340 000	1949
1950	456 AT 10:30 MST ON JUN 23	394 ON JUN 23	6.43A ON MAY 14	1 770 000	1950
1951	450 AT 16:00 MST ON JUL 06	396 ON JUL 07	30.9 A ON MAY 06	2 740 000	1951
1952	374 AT 14:00 MST ON JUN 23	303 ON JUN 23	16.0 ON SEP 07	2 070 000	1952
1953	479 AT 18:00 MST ON JUN 13	433 ON JUN 14	5.61 ON OCT 11 *	2 120 000	1953
1954	402 AT 15:00 MST ON AUG 25	343 ON JUL 07	29.7 ON OCT 10	2 550 000	1954
1955	405 AT 14:00 MST ON JUN 24	340 ON JUN 25	13.0 ON OCT 23	1 700 000	1955
1956	331 AT 21:00 MST ON JUN 06	317 ON JUN 07	6.92 ON SEP 30	1 890 000	1956
1957	286 AT 17:00 MST ON JUN 08	244 ON JUN 08	31.4 ON SEP 22	1 580 000	1957
1958	227 AT 17:00 MST ON JUL 07	220 ON JUN 12	32.8 ON OCT 19	1 790 000	1958
1959	286 AT 02:00 MST ON JUN 28	275 ON JUN 27	46.4 ON MAY 06	1 770 000	1959
1960	297 AT 05:00 MST ON JUL 02	230 ON JUL 02	29.7 ON MAY 10	1 550 000	1960
1961	365 AT 06:00 MST ON JUN 07	357 ON JUN 07	47.6 ON MAY 14	1 970 000	1961
1962	234 AT 07:00 MST ON JUN 28	233 ON JUN 28	---	---	1962
1968	242 AT 14:30 MST ON JUN 12	239 ON JUN 13	34.5 ON MAY 01	1 750 000	1968
1969	317 AT 14:01 MST ON JUN 29	300 ON JUN 07	45.0 ON SEP 10	2 260 000	1969
1970	260 AT 18:06 MST ON JUN 16	250 ON JUN 17	37.9 ON OCT 18	1 570 000	1970
1971	343 AT 16:00 MST ON JUN 08	320 ON JUN 08	39.1 ON MAY 02	1 900 000	1971
1972	476 AT 12:30 MST ON JUL 03	405 ON JUL 03	41.3 ON OCT 15	2 470 000	1972
1973	374 AT 11:00 MST ON JUN 25	314 ON JUN 26	36.8 ON OCT 15	1 790 000	1973
1974	518 AT 13:30 MST ON JUN 26	504 ON JUN 26	36.8 ON OCT 10	2 310 000	1974
1975	204 AT 11:00 MST ON AUG 02	202 ON JUL 16	30.0 ON OCT 26	1 420 000	1975
1976	257 AT 14:00 MST ON AUG 06	244 ON AUG 06	45.6 ON OCT 30	2 160 000	1976
1977	198 AT 14:00 MST ON JUN 22	193 ON JUN 10	33.7 ON OCT 23	1 270 000	1977
1978	237 AT 10:00 MST ON JUN 11	235 ON JUN 11	52.1 ON OCT 30	1 780 000	1978
1979	259 AT 10:00 MST ON JUN 22	151 ON JUN 15	31.7 ON OCT 22	1 380 000	1979
1980	298 AT 12:00 MST ON JUN 19	295 ON JUN 19	49.9 ON OCT 23	1 790 000	1980
1981	406 AT 08:25 MST ON MAY 28	402 ON MAY 28	39.7 ON OCT 23	2 570 000	1981
1982	268 AT 04:24 MST ON JUN 24	266 ON JUN 24	48.5 ON MAY 12	1 680 000	1982
1983	202 AT 22:44 MST ON JUL 16	192 ON MAY 31	41.0 ON OCT 30	1 460 000	1983
1984	235 AT 16:35 MST ON JUL 17	222 ON JUL 02	32.0 ON OCT 28	1 390 000	1984
1985	---	202A ON MAY 27	31.7 E ON OCT 27	1 460 000	1985
1986	426 AT 17:50 MST ON JUN 03	424 ON JUN 03	42.9 ON MAY 01	2 120 000	1986
1987	208 AT 20:34 MST ON JUL 14	196 ON MAY 14	40.5 ON OCT 25	1 520 000	1987
1988	256 AT 08:52 MST ON JUN 17	235 ON JUN 11	51.3 ON MAY 09	1 610 000	1988
1989	248 AT 12:53 MST ON JUN 16	240 ON JUN 17	44.4 ON OCT 29	1 610 000	1989
				1 860 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER BELOW HECTOR LAKE - STATION NO. 05BA008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	15.0	6.58	3.37	---	---	---	1973
1974	---	---	---	---	4.31	28.1	26.0	17.4	8.53	3.09	---	---	14.5	1974
1975	---	---	---	---	3.68	16.8	25.3	13.3	6.58	3.31	---	---	11.5	1975
1976	---	---	---	---	10.7	14.2	28.0	22.0	15.0	4.33	---	---	15.7	1976
MEAN	---	---	---	---	6.23	19.7	26.4	16.9	9.17	3.53	---	---	13.9	MEAN

LOCATION - LAT 51 32 30 N, LONG 116 17 40 W DRAINAGE AREA, 280 km^2, NATURAL FLOW

BOW RIVER BELOW HECTOR LAKE - STATION NO. 05BA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	60.0 AT 01:40 MST ON JUN 25 *	58.0 ON JUN 24 *	2.16 ON MAY 01	231 000	1974
1975	36.8 AT 03:30 MST ON JUL 14	36.2 ON JUL 14	0.850E ON MAY 01 *	183 000	1975
1976	36.2 AT 00:30 MST ON JUL 10	35.7 ON JUL 09	1.80 ON MAY 01	250 000	1976
				221 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.007	0.079	0.109	0.059	0.021	0.098	---	---	0.062	1957
1958	---	---	---	---	0.053	0.103	0.193	0.054	0.034	0.062	---	---	0.074	1958
1959	---	---	---	---	0.007	0.126	0.262	0.078	0.038	0.028	---	---	0.090	1959
1960	---	---	---	---	0.008	0.280	0.359	0.097	0.085	0.097	---	---	0.150	1960
1961	---	---	---	---	0.092	0.513	0.436	0.057	0.139	0.141	---	---	0.194	1961
1962	---	---	---	---	0.034	0.345	0.274	0.048	0.047	0.029	---	---	0.129	1962
1963	---	---	---	---	0.085	0.459	0.091	0.102	0.123	0.136	---	---	0.178	1963
1964	---	---	---	---	0.016	0.366	0.465	0.297	0.152	0.177	---	---	0.245	1964
1965	---	---	---	---	0.014	0.215	0.268	0.289	0.170	0.083	---	---	0.173	1965
1966	---	---	---	---	0.010	0.263	0.494	0.170	0.094	0.183	---	---	0.203	1966
1972	---	---	---	---	0.036	0.132	0.399	0.198	0.084	0.139	---	---	0.165	1972
1973	---	---	---	---	0.100	0.179	0.350	0.213	0.215	0.098	---	---	0.192	1973
1974	---	---	---	---	0.038	0.284	0.719	0.446	0.096	0.191	---	---	0.297	1974
1975	---	---	---	---	---	0.053	---	---	0.133	0.122	---	---	---	1975
1976	---	---	---	---	0.069	0.414	0.493	0.265	0.143	0.124	---	---	0.255	1976
1977	---	---	---	---	0.225	0.328	0.530	0.212	0.119	0.099	---	---	0.269	1977
1978	---	---	---	---	0.050	0.117	0.475	0.265	0.041	0.076	---	---	0.172	1978
1979	---	---	---	---	0.048	0.336	0.611	0.382	0.035	0.123	---	---	0.256	1979
1980	---	---	---	---	0.406	0.402	0.721	0.260	0.081	0.127	---	---	0.334	1980
1981	---	---	---	---	0.064	0.272	1.00	0.262	0.267	0.150	---	---	0.337	1981
1982	---	---	---	---	0.025	0.352	0.647	0.344	0.094	0.146	---	---	0.269	1982
1983	---	---	---	---	0.040	0.508	0.392	0.180	0.114	0.075	---	---	0.217	1983
1984	---	---	---	---	0.102	0.359	0.357	0.199	0.069	0.034	---	---	0.186	1984
1989	---	---	---	---	0.198	0.338	0.767	0.389	0.254	0.076	---	---	0.337	1989
1990	---	---	---	---	0.069	0.274	0.721	0.182	0.253	0.238	---	---	0.290	1990
MEAN	---	---	---	---	0.075	0.276	0.461	0.218	0.115	0.115	---	---	0.211	MEAN

LOCATION - LAT 49 59 20 N
LONG 111 43 30 W REGULATED

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.566 ON OCT 26	0 ON OCT 23 *	990	1957
1958	---	0.527 ON JUL 14	0 ON OCT 21	1 170	1958
1959	---	0.909 ON JUN 27	0 ON JUN 02	1 430	1959
1960	---	0.631 ON JUL 04	0.003 ON MAY 22	2 380	1960
1961	---	0.725 ON JUL 10	0 ON MAY 01	3 090	1961
1962	---	0.841 ON JUN 14	0 E ON MAY 01	2 050	1962
1963	---	1.27 ON JUN 22	0.011 ON MAY 12	2 830	1963
1964	---	0.810 ON JUL 06	0.006 ON MAY 18	3 900	1964
1965	---	1.35 ON JUN 17	0 ON MAY 12	2 750	1965
1966	---	1.33 ON JUL 25	0.003 ON MAY 12	3 220	1966
1972	---	0.498 ON JUL 15	0.020 ON AUG 29	2 630	1972
1973	---	0.510 ON JUL 17	0.021 ON JUN 26	3 060	1973
1974	---	0.869 ON JUL 19	0.025E ON MAY 07	4 720	1974
1975	---	---	---	---	1975
1976	---	0.736 ON JUN 07	0 ON MAY 13	4 050	1976
1977	---	0.748 ON JUL 01	0 ON MAY 01	4 280	1977
1978	---	0.776 ON JUL 23	0 ON JUN 05	2 730	1978
1979	---	0.896 ON JUL 15	0 ON MAY 31	4 070	1979
1980	---	1.38 ON MAY 25	0 ON MAY 01	5 310	1980
1981	---	1.53 ON JUL 26 *	0 ON MAY 01	5 360	1981
1982	---	1.38 ON JUL 02	0.014 ON MAY 25	4 270	1982
1983	---	1.10 ON JUN 29	0.003 ON MAY 24	3 450	1983
1984	---	1.45 ON JUN 22	0 ON MAY 01	2 960	1984
1989	---	1.25 ON JUL 15	0.002 ON MAY 10	5 360	1989
1990	---	1.18 ON JUL 23	0.002 ON MAY 11	4 610	1990
				3 360	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.019	0.403	0.274	0.107	0.029	0.051	---	---	0.146	1958
1959	---	---	---	---	0	0.232	0.333	0.205	0.047	0.060	---	---	0.146	1959
1960	---	---	---	---	0.004	0.184	0.502	0.314	0.053	0.123	---	---	0.198	1960
1961	---	---	---	---	0.072	0.605	0.949	0.312	0.224	0.138	---	---	0.383	1961
1962	---	---	---	---	0.068	0.474	0.475	0.407	0.163	0.222	---	---	0.301	1962
1963	---	---	---	---	0.149	1.07	0.306	0.375	0.244	0.226	---	---	0.393	1963
1964	---	---	---	---	0.020	0.589	0.553	0.618	0.156	0.234	---	---	0.362	1964
1965	---	---	---	---	0	0.112	0.378	0.494	0.101	0.152	---	---	0.207	1965
1966	---	---	---	---	0.010	0.211	0.579	0.306	0.224	0.175	---	---	0.251	1966
1967	---	---	---	---	0	0.021	0.875	0.624	0.348	0.349	---	---	0.371	1967
1968	---	---	---	---	0.135	0.448	0.836	0.536	0.331	0.245	---	---	0.422	1968
1969	---	---	---	---	0.082	0.712	0.710	0.915	0.747	0.395	---	---	0.592	1969
1970	---	---	---	---	0.409	0.768	0.711	0.883	0.495	0.276	---	---	0.590	1970
1971	---	---	---	---	0.050	0.593	1.04	0.720	0.223	0.228	---	---	0.541	1971
1972	---	---	---	---	0.131	0.741	0.791	0.820	0.583	0.296	---	---	0.559	1972
1973	---	---	---	---	0.391	0.786	0.966	0.880	0.602	0.402	---	---	0.674	1973
1974	---	---	---	---	0.013	0.624	0.936	0.694	0.601	0.430	---	---	0.549	1974
1975	---	---	---	---	0.067	0.173	1.06	0.984	0.877	0.471	---	---	0.606	1975
1976	---	---	---	---	0.298	1.08	1.17	1.28	0.934	0.777	---	---	0.922	1976
1977	---	---	---	---	0.674	0.970	0.937	0.749	0.524	0.240	---	---	0.682	1977
1978	---	---	---	---	0.010	0.241	1.11	0.807	0.195	1.03	---	---	0.570	1978
1979	---	---	---	---	0.006	0.789	1.09	0.843	0.689	0.434	---	---	0.641	1979
1980	---	---	---	---	0.654	0.680	1.05	0.984	0.896	0.340	---	---	0.767	1980
1981	---	---	---	---	0.117	1.12	1.24	1.17	1.04	0.597	---	---	0.878	1981
1982	---	---	---	---	0.215	0.769	1.12	1.11	0.944	0.404	---	---	0.760	1982
1983	---	---	---	---	0.169	1.29	1.25	1.09	0.897	0.215	---	---	0.816	1983
1984	---	---	---	---	0.462	1.08	1.15	0.948	0.452	0.108	---	---	0.700	1984
1985	---	---	---	---	0.212	0.893	0.823	0.839	0.387	0.170	---	---	0.553	1985
1986	---	---	---	---	0.152	1.07	1.47	1.27	0.765	0.312	---	---	0.838	1986
1987	---	---	---	---	0.646	1.18	1.16	0.940	0.912	0.335	---	---	0.894	1987
1988	---	---	---	---	1.41	1.56	1.09	1.28	1.03	0.271	---	---	1.07	1988
1989	---	---	---	---	0.443	0.991	1.35	1.24	0.570	0.355	---	---	0.825	1989
1990	---	---	---	---	0.337	0.842	1.37	1.14	1.33	0.544	---	---	0.926	1990
MEAN	---	---	---	---	0.231	0.700	0.899	0.784	0.546	0.321	---	---	0.580	MEAN

LOCATION - LAT 50 11 40 N
LONG 112 02 50 W REGULATED

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.742 ON JUN 28	0.003 ON MAY 05	2 330	1958
1959	---	1.59 ON JUN 27	0 ON MAY 01 *	2 330	1959
1960	---	0.770 ON AUG 01	0 ON MAY 11	3 140	1960
1961	---	1.47 ON JUL 12	0 ON MAY 01	6 090	1961
1962	---	1.68 ON JUN 14	0 ON MAY 01	4 790	1962
1963	---	10.1 ON JUN 22 *	0 ON MAY 01	6 240	1963
1964	---	1.98 ON JUN 16	0 ON MAY 12	5 750	1964
1965	---	1.38 ON JUL 26	0 E ON MAY 01	3 290	1965
1966	---	4.47 ON JUL 15	0 ON MAY 17	4 000	1966
1967	---	1.06 ON JUL 13	0 ON MAY 01	5 910	1967
1968	---	2.35 ON JUN 30	0 ON MAY 01	6 710	1968
1969	---	1.63 ON JUL 21	0 ON MAY 01	9 410	1969
1970	---	3.06 ON JUN 13	0.003E ON MAY 01	9 380	1970
1971	---	1.67 ON JUL 10	0 ON MAY 01	8 600	1971
1972	---	1.21 ON JUL 14	0 ON MAY 01	8 890	1972
1973	---	2.33 ON JUN 15	0 ON MAY 01	10 700	1973
1974	---	1.23 ON JUL 22	0 ON MAY 01	8 730	1974
1975	---	1.84 ON JUL 31	0 ON MAY 18	9 640	1975
1976	---	2.16 ON JUL 01	0 ON MAY 01	14 700	1976
1977	---	1.55 ON SEP 22	0 ON MAY 01	10 800	1977
1978	---	1.71 ON OCT 22	0 ON MAY 19	9 060	1978
1979	---	1.59 ON JUL 29	0 ON MAY 27	10 200	1979
1980	---	2.08 ON MAY 25	0.001 ON MAY 01	12 200	1980
1981	---	2.75 ON JUN 14	0 ON MAY 01	14 000	1981
1982	---	2.53 ON JUL 02	0 ON MAY 01	12 100	1982
1983	---	2.36 ON JUL 04	0 ON MAY 06	13 000	1983
1984	---	2.30 ON JUN 22	0 ON MAY 01	11 100	1984
1985	---	1.41 ON JUL 17	0 ON MAY 10	8 790	1985
1986	---	2.49 ON SEP 25	0 ON MAY 01	13 300	1986
1987	---	2.40 ON JUL 10	0 ON MAY 01	14 200	1987
1988	---	4.09 ON JUN 09	0 ON OCT 18	17 000	1988
1989	---	1.80 ON JUL 16	0 A ON MAY 01	13 100	1989
1990	---	2.07 ON JUL 19	0 ON MAY 04	14 700	1990
				9 220	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	0.056	0.245	0.168	0.273	0.291	0.182	---	---	0.202	1970
1971	---	---	---	---	0.026	0.190	0.240	0.163	0.178	0.094	---	---	0.136	1971
1972	---	---	---	---	0.038	0.174	0.245	0.161	0.104	0.071	---	---	0.132	1972
1973	---	---	---	---	0.039	0.271	0.272	0.266	0.109	0.104	---	---	0.182	1973
1974	---	---	---	---	0.029	0.119	0.238	0.315	0.172	0.126	---	---	0.167	1974
1975	---	---	---	---	0.149	0.116	0.290	0.332	0.251	0.095	---	---	0.206	1975
1976	---	---	---	---	0.124	0.202	0.276	0.273	0.286	0.149	---	---	0.218	1976
1977	---	---	---	---	0.223	0.188	0.219	0.255	0.168	0.063	---	---	0.186	1977
1978	---	---	---	---	0.015	0.068	0.195	0.259	0.074	0.119	---	---	0.122	1978
1979	---	---	---	---	0.004	0.251	0.351	0.317	0.285	0.126	---	---	0.222	1979
1980	---	---	---	---	0.121	0.127	0.178	0.250	0.187	0.090	---	---	0.159	1980
1981	---	---	---	---	0.095	0.249	0.247	0.236	0.185	0.085	---	---	0.183	1981
1982	---	---	---	---	0.103	0.229	0.227	0.226	0.200	0.079	---	---	0.177	1982
1983	---	---	---	---	0.067	0.194	0.290	0.228	0.176	0.042	---	---	0.198	1983
1984	---	---	---	---	0.140	0.228	0.180	0.168	0.101	0.011	---	---	0.138	1984
MEAN	---	---	---	---	0.087	0.200	0.237	0.248	0.184	0.096	---	---	0.175	MEAN

LOCATION - LAT 50 11 43 N
LONG 112 05 18 W REGULATED

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.900 ON JUN 13	0E ON MAY 01 *	3 210	1970
1971	---	0.456 ON AUG 25	0 ON MAY 01	2 170	1971
1972	---	0.377 ON JUN 23	0 ON MAY 01	2 100	1972
1973	---	0.733 ON JUN 15	0 ON MAY 01	2 900	1973
1974	---	0.501 ON AUG 20	0 ON MAY 26	2 650	1974
1975	---	0.513 ON MAY 06	0 ON JUN 03	3 270	1975
1976	---	0.572 ON JUL 01	0 ON MAY 01	3 470	1976
1977	---	0.473 ON MAY 11	0 ON MAY 01	2 960	1977
1978	---	1.04 ON AUG 23 *	0 ON JUN 04	1 940	1978
1979	---	0.727 ON AUG 04	0A ON OCT 30	3 530	1979
1980	---	0.795 ON MAY 25	0 ON JUN 07	2 530	1980
1981	---	0.451 ON JUN 14	0 ON MAY 01	2 900	1981
1982	---	0.517 ON MAY 27	0 ON MAY 01	2 810	1982
1983	---	0.638 ON JUN 20	0 ON MAY 08	3 150	1983
1984	---	0.668 ON JUN 22	0 ON OCT 12	2 190	1984
				2 790	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.016	0.024	0.019	0.017	0.093	0.100	---	---	0.045	1958
1959	---	---	---	---	0.034	0.070	0.284	0.339	0.162	0.408	---	---	0.217	1959
1960	---	---	---	---	0.047	0.305	0.278	0.145	0.073	0.247	---	---	0.182	1960
1961	---	---	---	---	0.268	0.172	0.196	0.103	0.154	0.365	---	---	0.210	1961
1962	---	---	---	---	0.195	0.270	0.066	0.290	0.329	0.182	---	---	0.221	1962
1963	---	---	---	---	0.230	0.902	0.705	0.547	0.524	0.282	---	---	0.530	1963
1964	---	---	---	---	0.022	0.517	0.136	0.634	0.095	0.146	---	---	0.258	1964
1965	---	---	---	---	0.011	0.522	0.213	0.491	0.439	0.204	---	---	0.312	1965
1966	---	---	---	---	0.017	0.510	1.07	1.02	0.702	0.484	---	---	0.633	1966
1968	---	---	---	---	---	---	---	0.474	0.425	0.312	---	---	---	1968
1969	---	---	---	---	---	0.738	0.532	0.264	0.452	0.597	---	---	---	1969
1970	---	---	---	---	0.202	0.865	0.629	0.660	0.390	0.555	---	---	0.549	1970
1971	---	---	---	---	0.147	0.661	1.19	1.03	0.578	0.291	---	---	0.650	1971
1972	---	---	---	---	0.050	0.769	0.539	0.608	0.630	0.739	---	---	0.554	1972
1973	---	---	---	---	0.125	0.588	0.679	0.739	0.739	0.633	---	---	0.583	1973
1974	---	---	---	---	0.239	0.774	1.14	1.17	1.03	0.708	0.103	---	0.843	1974
1975	---	---	---	---	0.181	0.646	0.617	1.83	1.36	0.925	---	---	0.925	1975
1976	---	---	---	---	0.639	1.33	1.35	1.96	0.647	1.00	---	---	1.16	1976
1977	---	---	---	---	0.735	0.861	1.40	1.25	1.04	0.842	---	---	1.03	1977
1978	---	---	---	---	0.103	0.960	1.49	2.08	0.959	1.72	---	---	1.22	1978
1979	---	---	---	---	0.059	1.27	0.738	1.55	0.683	1.11	---	---	0.901	1979
1980	---	---	---	---	0.775	0.921	1.66	2.32	1.09	0.686	---	---	1.24	1980
1981	---	---	---	---	0.800	1.62	1.91	1.82	1.03	1.29	---	---	1.35	1981
1982	---	---	---	---	0.538	1.97	1.41	2.50	1.92	1.17	---	---	1.69	1982
1983	---	---	---	---	0.124	1.74	1.74	1.27	0.824	0.596	---	---	1.05	1983
1984	---	---	---	---	0.123	1.68	1.16	1.29	0.564	0.221	---	---	0.836	1984
1985	---	---	---	---	0.032	0.367	0.649	0.605	0.213	0.112	---	---	0.330	1985
1986	---	---	---	---	0.049	0.197	0.376	0.253	0.852	0.411	---	---	0.355	1986
1987	---	---	---	---	0.042	0.143	0.481	0.598	0.420	0.198	---	---	0.314	1987
1988	---	---	---	---	0.120	0.552	0.482	0.398	0.219	0.128	---	---	0.316	1988
MEAN	---	---	---	---	0.206	0.745	0.832	0.944	0.615	0.555	0.103	---	0.661	MEAN

LOCATION - LAT 50 17 25 N
LONG 112 10 52 W REGULATED

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.170 ON OCT 18	0 ON JUL 12 *	711	1958
1959	---	0.875 ON OCT 15	0.003 ON JUN 15	3 450	1959
1960	---	0.680 ON JUN 25	0.003 ON SEP 11	2 900	1960
1961	---	0.801 ON MAY 16	0.006 ON AUG 23	5 340	1961
1962	---	1.08 ON AUG 04	0 ON JUN 30	3 510	1962
1963	---	2.10 ON JUN 30	0.006 ON MAY 02	8 420	1963
1964	---	1.46 ON JUN 15	0 E ON MAY 01	4 100	1964
1965	---	1.79 ON JUN 26	0 ON MAY 08	4 950	1965
1966	---	2.02 ON JUL 06	0 ON MAY 11	10 100	1966
1968	---	---	---	---	1968
1969	---	1.34 ON JUN 12	---	---	1969
1970	---	3.00 ON JUN 16	0.042E ON MAY 01	8 730	1970
1971	---	2.27 ON JUL 12	0.059A ON MAY 04	10 300	1971
1972	---	1.53 ON JUN 10	0.020 ON MAY 16	8 810	1972
1973	---	1.28 ON JUN 19	0.008 ON MAY 10	9 270	1973
1974	---	2.29 A ON JUL 14	0.136 ON MAY 14	13 400	1974
1975	---	2.68 ON JUN 20	0.034E ON JUN 11	14 700	1975
1976	---	3.43 ON AUG 10	0.028 ON MAY 03	18 400	1976
1977	---	2.66 ON JUL 31	0.031 ON MAY 03	16 300	1977
1978	---	3.26 ON AUG 23	0.057A ON MAY 18	19 500	1978
1979	---	2.64 ON AUG 01	0.021 ON MAY 27	14 300	1979
1980	---	3.23 ON AUG 10	0.074 ON MAY 02	19 800	1980
1981	---	3.53 ON AUG 23	0.035 ON MAY 01	21 500	1981
1982	---	3.73 ON JUL 03	0.049 ON MAY 22	26 900	1982
1983	---	3.09 ON JUL 07	0.032 ON MAY 04	16 700	1983
1984	---	3.01 ON JUN 11	0.029 ON MAY 19	13 300	1984
1985	---	1.20 ON JUL 17	0.023 ON MAY 24	5 250	1985
1986	---	4.84 ON SEP 27 *	0.028 ON MAY 31	5 640	1986
1987	---	1.14 ON AUG 15	0.022 ON MAY 14	4 990	1987
1988	---	2.36 ON JUN 10	0.017 ON MAY 14	5 020	1988
				10 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.010	0.218	0.207	0.148	0.125	0.057	---	---	0.127	1958
1959	---	---	---	---	0	0.135	0.139	0.149	0.142	0.067	---	---	0.105	1959
1960	---	---	---	---	0	0.077	0.469	0.271	0.091	0.199	---	---	0.186	1960
1961	---	---	---	---	0.019	0.279	0.483	0.321	0.354	0.177	---	---	0.255	1961
1962	---	---	---	---	0.023	0.425	0.537	0.330	0.090	0.188	---	---	0.266	1962
1963	---	---	---	---	0.040	0.103	0.426	0.487	0.289	0.217	---	---	0.261	1963
1964	---	---	---	---	0	0.254	0.512	0.456	0.407	0.201	---	---	0.305	1964
1965	---	---	---	---	0.002	0.312	0.316	0.465	0.086	0.153	---	---	0.223	1965
1966	---	---	---	---	0.011	---	---	0.282	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	0.553	0.280	0.365	---	---	---	1967
1968	---	---	---	---	0.131	0.256	0.564	0.460	0.302	0.269	---	---	0.331	1968
1969	---	---	---	---	0.007	0.379	0.413	0.484	0.387	0.427	---	---	0.349	1969
1970	---	---	---	---	0.032	0.309	0.662	0.847	0.538	0.511	---	---	0.484	1970
1971	---	---	---	---	---	---	---	---	---	0.325	---	---	---	1971
1972	---	---	---	---	0.190	0.216	0.564	0.603	0.312	0.374	---	---	0.378	1972
1973	---	---	---	---	0.160	0.286	0.527	0.637	0.356	0.329	---	---	0.384	1973
1974	---	---	---	---	0.002	0.334	0.550	0.872	0.569	0.371	0.030	---	0.450	1974
1975	---	---	---	---	0.008	0.438	0.518	0.772	0.263	0.344	---	---	0.391	1975
1976	---	---	---	---	0.176	0.714	0.642	0.701	0.281	0.190	---	---	0.450	1976
1977	---	---	---	---	0.348	0.698	0.724	0.928	0.325	0.165	---	---	0.532	1977
1978	---	---	---	---	0.148	0.272	0.353	0.290	0.220	0.338	---	---	0.270	1978
1979	---	---	---	---	0.026	0.663	0.838	0.738	0.224	0.181	---	---	0.445	1979
1980	---	---	---	---	0.353	0.596	0.808	0.694	0.261	0.184	---	---	0.483	1980
1981	---	---	---	---	0.062	0.662	0.935	0.708	0.496	0.470	---	---	0.555	1981
1982	---	---	---	---	0.120	0.692	0.945	0.889	0.276	0.255	---	---	0.530	1982
1983	---	---	---	---	0.093	0.841	0.724	0.641	0.417	0.148	---	---	0.476	1983
1984	---	---	---	---	0.047	0.699	0.842	0.514	0.234	0.142	---	---	0.412	1984
1985	---	---	---	---	0.046	0.389	0.551	0.542	0.307	0.148	---	---	0.330	1985
1986	---	---	---	---	0.026	0.374	0.742	0.415	0.509	0.262	---	---	0.388	1986
1987	---	---	---	---	0.125	0.442	0.707	0.430	0.471	0.152	---	---	0.387	1987
1988	---	---	---	---	0.297	0.745	0.936	0.476	0.767	0.233	---	---	0.574	1988
1989	---	---	---	---	0.098	0.468	0.786	0.548	0.536	0.202	---	---	0.439	1989
1990	---	---	---	---	0.074	0.326	0.732	0.495	0.518	0.272	---	---	0.403	1990
MEAN	---	---	---	---	0.086	0.420	0.605	0.533	0.337	0.247	0.030	---	0.372	MEAN

LOCATION - LAT 49 55 00 N
LONG 111 43 40 W REGULATED

BOW RIVER DEVELOPMENT DRAIN T NEAR HAYS - STATION NO. 05AG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	0.385 ON JUL 06	0 ON MAY 01 *	2 020	1959
		0.634 ON JUN 27	0 ON MAY 01	1 670	
1960	---	---	---	---	1960
1961	---	0.765 ON JUL 23	0 ON MAY 01	2 950	1961
1962	---	0.782 ON JUL 17	0 ON MAY 01	4 050	1962
1963	---	0.980 ON JUL 13	0 ON MAY 01	4 220	1963
1964	---	0.623 ON JUL 04	0 ON MAY 01	4 150	1964
		0.700 ON JUL 16	0 ON MAY 01	4 850	
1965	---	---	---	---	1965
1966	---	0.827 ON AUG 05	0 E ON MAY 05	3 540	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	0.889 ON AUG 09	0 ON MAY 01	5 260	1969
		0.833 ON AUG 11	0 ON MAY 01	5 550	
1970	---	---	---	---	1970
1971	---	1.03 ON AUG 13	0 E ON MAY 01	7 690	1971
1972	---	---	---	---	1972
1973	---	1.39 ON MAY 25	0 ON MAY 17	6 000	1973
1974	---	0.988 ON AUG 21	0 ON MAY 01	6 100	1974
		1.21 ON AUG 04	0.001 ON MAY 09	7 150	
1975	---	---	---	---	1975
1976	---	1.02 ON JUN 20	0.003E ON MAY 01	6 210	1976
1977	---	1.01 ON JUN 15	0.001 ON MAY 01	7 160	1977
1978	---	1.19 ON AUG 00	0.017 ON MAY 01	8 450	1978
1979	---	0.793 ON OCT 12	0.028 ON MAY 01	4 300	1979
		1.23 ON JUN 23	0 ON MAY 01	7 080	
1980	---	---	---	---	1980
1981	---	1.30 ON AUG 04	0 ON MAY 01	7 680	1981
1982	---	1.42 ON JUL 21	0 ON MAY 01	8 820	1982
1983	---	1.14 ON AUG 10	0 ON MAY 15	8 420	1983
1984	---	1.35 ON JUN 19	0 ON MAY 01	7 560	1984
		1.46 ON JUN 23	0 ON MAY 01	6 550	
1985	---	---	---	---	1985
1986	---	1.14 ON AUG 09	0 ON MAY 01	5 250	1986
1987	---	1.61 ON SEP 26	0.006 ON MAY 24	6 160	1987
1988	---	1.40 ON JUL 19	0.009 ON MAY 05	6 150	1988
1989	---	1.80 ON JUN 09 *	0.058 ON OCT 27	9 120	1989
		1.15 ON JUL 24	0.007 ON MAY 09	6 980	
1990	---	1.19 ON JUL 20	0.005E ON MAY 05	6 400	1990
				5 920	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	0	0	0	2.32	1.17	2.92	---	0.792	1918
1919	---	---	---	1.34	2.85	4.83	5.38	8.99	9.38	5.41	0	---	4.79	1919
1920	---	---	---	0	0	0	2.02	7.37	8.36	8.55	2.04	---	3.56	1920
1921	---	---	---	0	1.11	4.61	9.94	6.97	9.54	10.4	0.219	---	5.38	1921
1922	---	---	---	0	0	1.88	4.71	5.77	5.62	5.79	1.47	---	3.17	1922
1923	---	---	---	0	0.662	0.335	3.61	5.57	4.76	0.561	0	---	1.95	1923
1924	---	---	---	0	1.14	3.20	4.77	5.40	5.16	1.57	0	---	2.66	1924
1925	---	---	---	0	0	0.034	0	0	0	0	0	---	0.004	1925
1926	---	---	---	1.33	4.85	5.23	6.23	7.37	0	0	0	---	3.15	1926
1927	---	---	---	0	0	0	0	0	0.319	4.37	0.950	---	0.712	1927
1928	---	---	---	0.897	4.60	4.58	0.615	0.299	4.62	5.25	0.226	---	2.64	1928
1929	---	---	---	1.02	4.98	0.573	4.34	7.33	6.91	6.85	1.63	---	4.23	1929
1930	---	---	---	4.73	7.05	6.27	6.67	6.29	6.24	3.20	0	---	5.07	1930
1931	---	---	---	3.09	6.63	6.43	6.82	6.65	6.65	6.82	3.43	---	5.82	1931
1932	---	---	---	0	1.15	5.72	6.54	6.63	6.94	2.86	0	---	3.74	1932
1933	---	---	---	0	0	3.68	3.91	7.45	7.70	4.42	0	---	3.40	1933
1934	---	---	---	2.46	6.91	7.14	6.91	7.45	7.62	7.82	5.72	---	6.52	1934
1935	---	---	---	0.110	5.44	6.51	6.43	6.26	6.48	0	0	---	3.91	1935
1936	---	---	---	0	0	0	6.34	8.01	8.58	7.51	0	---	5.83	1936
1937	---	---	---	0	3.43	8.16	6.97	6.94	8.50	7.50	2.80	---	5.55	1937
1938	---	---	---	0	0	3.31	8.44	0	0	7.67	3.79	---	2.92	1938
1939	---	---	---	1.50	8.67	6.51	7.45	8.47	3.57	4.67	8.52	---	6.19	1939
1940	---	---	---	0	1.16	6.68	7.33	5.72	0	3.96	0	---	3.13	1940
1941	---	---	---	0	0.286	6.57	10.0	10.6	10.4	9.34	1.76	---	6.14	1941
1942	---	---	---	0	0	1.53	5.58	6.48	6.99	6.12	0.900	---	3.47	1942
1943	---	---	---	0.663	5.58	6.29	6.54	6.97	7.87	6.12	0	---	5.03	1943
1944	---	---	---	0.453	7.50	9.85	7.36	8.61	8.10	2.12	0.572	---	5.58	1944
1945	---	---	---	0.663	5.41	6.29	6.54	6.94	7.87	6.12	0	---	5.00	1945
1946	---	---	---	0	0	0.665	3.37	8.98	10.7	10.6	4.98	---	4.93	1946
1947	---	---	---	1.29	1.15	6.91	8.52	8.10	6.43	0.830	0	---	3.55	1947
1948	---	---	---	0	0	0	2.16	4.39	6.06	6.63	0.595	---	2.49	1948
1949	---	---	---	0	1.91	7.75	8.26	7.81	10.7	10.6	3.66	---	6.34	1949
1950	---	---	---	0	0	6.86	8.13	8.24	3.72	0	0	---	3.38	1950
1951	---	---	---	0	0	0	0	0	0	0	0	---	0	1951
1952	---	---	---	0	0	0	0.207	0	0	0	0	---	0.026	1952
1953	---	---	---	0	0	0	1.42	6.56	2.70	8.55	11.0	---	3.79	1953
1954	---	---	---	6.28	17.0	30.8	30.7	9.91	0	0	0	---	11.9	1954
1955	---	---	---	0	0	0	4.24	22.4	11.4	0.010	0	---	4.79	1955
1956	---	---	---	0	0.057	0.652	22.1	2.15	0.003	0.097	0	---	3.18	1956
1957	---	---	---	0	0.066	13.3	25.0	29.2	4.70	0.006	0.001	---	9.10	1957
1958	---	---	---	0	0.013	0.920	19.4	22.1	21.3	2.62	0	---	8.33	1958
1959	---	---	---	0	0.005	2.11	13.6	23.9	22.9	0.057	0	---	7.84	1959
1960	---	---	---	0	0	0	15.3	15.6	30.6	21.9	0.003	---	10.5	1960
1961	---	---	---	0.001	6.11	33.6	35.5	36.9	24.5	0.239	0	---	17.1	1961
1962	---	---	---	0	2.75	21.0	34.5	30.1	7.49	2.28	0	---	12.3	1962
1963	---	---	---	0	7.46	36.3	32.9	5.86	7.75	2.41	0	---	12.0	1963
1964	---	---	---	0	0.031	26.3	31.0	30.4	30.3	14.4	0	---	17.6	1964
1965	---	---	---	0	0	12.7	2.63	17.1	16.0	0.041	0	---	6.05	1965
1966	---	---	---	0	0.599	1.23	5.71	27.0	27.2	3.72	0	---	8.20	1966
1967	---	---	---	0	0	0.478	5.54	22.9	11.9	0	0	---	5.14	1967
1968	---	---	---	0	0.010	9.89	30.3	18.9	31.6	18.3	0	---	13.7	1968
1969	---	---	---	0	1.37	21.3	5.96	8.80	21.7	11.7	0.002	---	8.83	1969
1970	---	---	---	0	0.263	13.6	25.2	23.6	24.1	10.3	0.002	---	12.2	1970
1971	---	---	---	0	0	12.1	26.5	28.0	29.3	24.3	0.037	---	15.1	1971
1972	---	---	---	0	0	0	0	0	0	0	0	---	0	1972
1973	---	---	---	0	4.69	29.1	31.7	31.3	20.9	15.8	0	---	16.7	1973
1974	---	---	---	0	18.2	24.8	28.4	29.7	28.7	1.74	0	---	16.5	1974
1975	---	---	---	0	7.89	22.1	16.4	24.7	15.5	0	0	---	10.8	1975
1976	---	---	---	0	9.78	28.4	27.5	25.9	26.4	28.5	3.20	---	18.8	1976
1977	---	---	---	11.5	21.2	30.8	15.7	20.1	24.4	29.0	8.56	---	20.2	1977
1978	---	---	---	2.46	20.2	8.11	28.6	27.2	9.72	0.026	0	---	12.2	1978
1979	---	---	---	0	12.0	29.0	30.4	26.8	21.2	4.74	0	---	15.6	1979
1980	---	---	---	0	26.4	32.5	29.1	27.7	25.8	5.26	0	---	18.4	1980
1981	---	---	---	0.580	29.3	26.9	28.7	32.9	29.5	19.4	0	---	21.0	1981
1982	---	---	---	0	14.8	29.7	29.3	29.1	28.8	9.71	0	---	17.7	1982
1983	---	---	---	0	19.6	28.0	34.8	30.0	24.0	23.8	1.48	---	20.3	1983
1984	---	---	---	4.37	22.0	33.5	28.5	29.2	29.0	21.7	0.152	---	21.1	1984
1985	---	---	---	0.328	29.0	33.6	31.1	26.0	31.7	14.9	---	---	---	1985
1986	---	---	---	2.31	29.2	34.0	33.8	10.5	14.2	0.102	0	---	18.2	1986
1987	---	---	---	0.913	28.6	33.9	31.6	28.0	15.6	6.23	0	---	18.1	1987
1988	---	---	---	20.0	26.5	34.2	31.4	30.1	32.2	23.2	0	---	24.8	1988
1989	---	---	---	8.87	26.9	31.5	32.3	31.1	22.0	2.77	0	---	19.5	1989
1990	---	---	---	12.6	25.0	23.0	33.5	32.9	33.4	7.43	0	---	21.0	1990
MEAN	---	---	---	1.23	6.70	12.2	14.7	15.0	13.1	6.89	0.981	---	8.72	MEAN

LOCATION - LAT 50 44 46 N
LONG 113 01 17 W REGULATED SINCE 1918

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	4.98 ON NOV 21	0 ON APR 01 *	16 700	1918
1919	---	11.8 ON AUG 04	0 ON APR 01	101 000	1919
1920	---	9.57 ON OCT 24	0 ON APR 01	75 000	1920
1921	---	11.5 ON JUL 24	0 ON APR 01	113 000	1921
1922	---	6.46 ON AUG 07	0 ON APR 01	66 800	1922
1923	---	6.40 E ON AUG 07	0 ON APR 01	41 100	1923
1924	---	6.48 E ON AUG 06	0 ON APR 01	56 200	1924
1925	---	0.374 ON JUN 23	0 ON APR 01	88.8	1925
1926	---	7.59 ON AUG 05	0 ON APR 01	66 400	1926
1927	---	5.27 ON OCT 23	0 ON APR 01	15 000	1927
1928	---	7.19 ON MAY 24	0 ON APR 01	55 600	1928
1929	---	8.24 ON AUG 09	0 ON APR 01	89 200	1929
1930	---	7.53 ON MAY 20	0 ON APR 01	107 000	1930
1931	---	6.82 E ON JUL 01	3.09 E ON APR 01	123 000	1931
1932	---	5.94 E ON SEP 01	0 ON APR 01	78 800	1932
1933	---	7.70 E ON SEP 01	0 ON APR 01	71 800	1933
1934	---	7.82 E ON OCT 01	2.46 E ON APR 01	137 000	1934
1935	---	6.51 E ON JUN 01	0 ON OCT 01	82 500	1935
1936	---	8.58 E ON SEP 01	0 ON APR 01	80 800	1936
1937	---	8.50 E ON SEP 01	0 ON APR 01	117 000	1937
1938	---	8.44 E ON JUL 01	0 ON APR 01	61 600	1938
1939	---	8.67 E ON MAY 01	1.50 E ON APR 01	130 000	1939
1940	---	7.33 E ON JUL 01	0 ON APR 01	66 000	1940
1941	---	10.6 E ON AUG 01	0 ON APR 01	130 000	1941
1942	---	6.99 E ON SEP 01	0 ON APR 01	73 100	1942
1943	---	7.87 E ON SEP 01	0 ON NOV 01	106 000	1943
1944	---	9.85 E ON JUN 01	0.453E ON APR 01	118 000	1944
1945	---	7.87 E ON SEP 01	0 ON NOV 01	105 000	1945
1946	---	10.7 E ON SEP 01	0 ON APR 01	104 000	1946
1947	---	8.52 E ON JUL 01	0 ON NOV 01	74 800	1947
1948	---	6.63 E ON OCT 01	0 ON APR 01	52 600	1948
1949	---	11.9 ON SEP 21	0 ON APR 01	134 000	1949
1950	---	11.5 ON JUN 14	0 ON APR 01	71 300	1950
1951	---	0 ON APR 01	0 ON APR 01	0	1951
1952	---	0.210E ON JUL 05	0 ON APR 01	556	1952
1953	---	17.8 ON NOV 08	0 ON APR 01	79 800	1953
1954	---	36.5 ON JUN 16	0 ON APR 01	251 000	1954
1955	---	24.0 ON SEP 11	0 ON APR 01	101 000	1955
1956	---	32.8 ON JUL 12	0 ON APR 01	67 000	1956
1957	---	36.8 ON AUG 08	0 ON APR 01	192 000	1957
1958	---	25.9 ON JUL 14	0 ON APR 01	176 000	1958
1959	---	28.1 ON SEP 18	0 ON APR 01	165 000	1959
1960	---	32.8 ON OCT 05	0 ON APR 01	221 000	1960
1961	---	37.9 ON AUG 23	0 ON APR 01	361 000	1961
1962	---	35.7 ON JUL 06	0 ON APR 01	260 000	1962
1963	---	38.5 ON JUL 10	0 ON APR 01	252 000	1963
1964	---	39.4 ON SEP 04 *	0 ON APR 01	371 000	1964
1965	---	32.6 ON SEP 24	0 ON APR 01	128 000	1965
1966	---	28.3 ON AUG 31	0 ON APR 01	173 000	1966
1967	---	29.4 ON SEP 07	0 ON APR 01	108 000	1967
1968	---	32.8 ON SEP 10	0 ON APR 01	288 000	1968
1969	---	29.7 ON OCT 07	0 ON APR 01	186 000	1969
1970	---	26.0 ON JUL 22	0 ON APR 01	257 000	1970
1971	---	33.4 ON OCT 04	0 ON APR 01	318 000	1971
1972	---	0 ON APR 01	0 ON APR 01	0	1972
1973	---	34.0 ON JUN 30	0 E ON APR 01	353 000	1973
1974	---	30.6 ON JUL 30	0 ON APR 01	348 000	1974
1975	---	25.7 ON AUG 22	0 ON APR 01	229 000	1975
1976	---	30.6 ON OCT 14	0 ON APR 01	396 000	1976
1977	---	34.3 ON NOV 05	0 ON APR 01	425 000	1977
1978	---	30.3 ON JUL 07	0 ON APR 01	256 000	1978
1979	---	32.0 ON JUN 14	0 ON APR 01	328 000	1979
1980	---	37.1 ON MAY 21	0 ON APR 01	388 000	1980
1981	---	36.1 ON JUL 08	0 ON APR 01	443 000	1981
1982	---	31.8 ON JUN 26	0 E ON APR 01	374 000	1982
1983	---	36.0 ON JUL 05	0 ON APR 01	428 000	1983
1984	---	36.6 ON JUN 08	0 ON APR 01	446 000	1984
1985	---	35.1 ON MAY 28	0 ON APR 01	---	1985
1986	---	36.5 ON JUL 23	0 ON APR 01	384 000	1986
1987	---	35.3 ON MAY 27	0 ON APR 01	381 000	1987
1988	---	35.6 ON JUN 26	0 ON APR 01	522 000	1988
1989	---	33.9 ON JUL 11	0 ON APR 01	411 000	1989
1990	---	35.7 ON MAY 06	0 ON APR 01	444 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		184 000	MEAN

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	6.13	24.0	35.8	19.6	20.2	8.02	---	---	18.9	1981
1982	---	---	---	---	5.91	23.8	34.1	20.9	12.0	5.86	---	---	17.1	1982
1983	---	---	---	---	7.03	27.7	27.5	19.7	16.3	3.30	---	---	18.5	1983
1984	---	---	---	---	12.2	33.4	44.3	18.8	6.61	1.29	---	---	19.4	1984
1985	---	---	---	---	6.58	37.0	42.2	15.5	4.51	0.991	---	---	17.7	1985
1986	---	---	---	---	5.72	36.3	36.8	15.6	7.35	1.07	---	---	17.1	1986
1987	---	---	---	---	16.2	32.1	24.3	9.95	8.56	1.75	---	---	15.4	1987
1988	---	---	---	3.15	35.4	23.1	37.2	19.6	14.1	2.67	---	---	22.0	1988
MEAN	---	---	---	---	3.15	11.9	30.9	35.3	17.5	11.2	3.12	---	---	18.3	MEAN

LOCATION - LAT 50 09 25 N
LONG 112 32 00 W REGULATED

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	46.6 ON JUL 13	0 ON OCT 23 *	301 000	1981
1982	---	45.6 ON JUL 27	0 ON MAY 01	271 000	1982
1983	---	46.7 ON JUN 22	0 ON MAY 01	294 000	1983
1984	50.1 AT 10:45 MST ON JUL 24 *	49.0 ON JUL 12 *	0 ON MAY 01	309 000	1984
1985	---	46.3 ON JUL 05	0 ON MAY 01	292 000	1985
1986	---	45.2 ON JUN 29	0 ON OCT 08	272 000	1986
1987	40.5 AT 23:37 MST ON JUN 21	40.3 ON JUN 20	0 ON MAY 01	245 000	1987
1988	---	44.2 ON JUN 28	0 ON OCT 09	350 000	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		291 000	MEAN

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO. 05AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	11.0	41.0	20.3	7.07	7.29	---	---	---	1978
1979	---	---	---	---	1.19	24.8	45.4	21.8	11.8	7.43	---	---	---	1979
MEAN	---	---	---	---	1.19	17.9	43.2	21.0	9.44	7.36	---	---	---	MEAN

LOCATION - LAT 50 12 00 N
LONG 112 37 30 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO. 05AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON OCT 24 *	---	1978
1979	---	---	0 ON MAY 01	---	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0.267	0.154	0.033	0.019	0.067	---	---	0.089	1959
1960	---	---	---	---	0	0.247	0.482	0.072	0.135	0.133	---	---	0.178	1960
1961	---	---	---	---	0.075	0.676	0.322	0.076	0.099	0.199	---	---	0.240	1961
1962	---	---	---	---	0.140	0.422	0.410	0.071	0.120	0.338	---	---	0.250	1962
1963	---	---	---	---	0.254	0.560	0.078	0.153	0.145	0.324	---	---	0.251	1963
1964	---	---	---	---	0.003	0.359	0.342	0.203	0.055	0.292	---	---	0.209	1964
1965	---	---	---	---	0	0.125	0.073	0.091	0.001	0.058	---	---	0.058	1965
1966	---	---	---	---	0.020	0.158	0.180	0.095	0.029	0.088	---	---	0.095	1966
1967	---	---	---	---	0	0.017	0.269	0.176	0.117	0.300	---	---	0.147	1967
1968	---	---	---	---	0.076	0.305	0.351	0.116	0.100	0.107	---	---	0.176	1968
1969	---	---	---	---	0.004	0.291	0.097	0.228	0.184	0.315	---	---	0.199	1969
1970	---	---	---	---	0.055	0.401	0.157	0.260	0.129	0.138	---	---	0.189	1970
1971	---	---	---	---	0.003	0.347	0.279	0.215	0.188	0.315	---	---	0.224	1971
1972	---	---	---	---	0.003	0.457	0.329	0.227	0.217	0.302	---	---	0.255	1972
1973	---	---	---	---	0.231	0.383	0.540	0.345	0.186	0.240	---	---	0.321	1973
1974	---	---	---	---	0	0.252	0.427	0.298	0.157	0.391	---	---	0.255	1974
1975	---	---	---	---	0	0.003	0.548	0.317	0.097	0.133	---	---	0.184	1975
1976	---	---	---	---	0.088	0.886	0.555	0.098	0.338	0.347	---	---	0.383	1976
1977	---	---	---	---	0.079	---	---	---	---	---	---	---	---	1977
1981	---	---	---	---	0.009	0.626	0.795	0.253	0.330	0.310	---	---	0.386	1981
1982	---	---	---	---	0.046	0.674	0.743	0.212	0.039	0.015	---	---	0.288	1982
1983	---	---	---	---	0.087	1.00	0.767	0.216	0.380	0.020	---	---	0.409	1983
1984	---	---	---	---	0.194	0.962	1.28	0.251	0.052	0.015	---	---	0.458	1984
1985	---	---	---	---	0.067	0.931	1.14	0.330	0.019	0.016	---	---	0.417	1985
1986	---	---	---	---	0.079	1.02	1.05	0.197	0.186	0.003	---	---	0.421	1986
1987	---	---	---	---	0.405	0.981	0.734	0.109	0.147	0.024	---	---	0.398	1987
1988	---	---	---	---	0.834	0.709	1.02	0.457	0.169	0.066	---	---	0.543	1988
1989	---	---	---	---	0.049	0.844	1.32	0.367	0.094	0.108	---	---	0.464	1989
MEAN	---	---	---	---	0.103	0.515	0.535	0.202	0.138	0.173	---	---	0.277	MEAN

LOCATION - LAT 50 11 30 N
LONG 112 35 00 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.634 ON JUN 17	0 ON MAY 01 *	1 420	1959
1960	---	0.934 ON JUL 15	0E ON MAY 01	2 830	1960
1961	---	0.934 ON JUN 19	0 ON MAY 01	3 810	1961
1962	---	0.867 ON OCT 11	0 ON MAY 01	3 970	1962
1963	---	1.03 ON JUN 09	0 ON MAY 01	4 000	1963
1964	---	0.773 ON OCT 16	0 ON MAY 01	3 320	1964
1965	---	0.377 ON JUL 30	0 ON MAY 01	921	1965
1966	---	0.357 ON JUL 01	0 ON MAY 01	1 510	1966
1967	---	0.566 ON JUL 24	0 ON MAY 01	2 340	1967
1968	---	0.657 ON JUL 24	0 ON MAY 01	2 790	1968
1969	---	0.595 ON OCT 14	0 ON MAY 01	3 170	1969
1970	---	0.895 ON JUN 10	0 ON MAY 01	3 010	1970
1971	---	0.716 ON OCT 10	0 ON MAY 01	3 560	1971
1972	---	0.810 ON JUN 10	0 ON MAY 01	4 060	1972
1973	---	1.28 ON JUL 28	0 ON MAY 01	5 110	1973
1974	---	0.824 ON OCT 18	0 ON MAY 01	4 050	1974
1975	---	1.05 ON JUL 27	0 ON MAY 01	2 930	1975
1976	---	1.08 ON JUN 06	0 ON MAY 01	6 090	1976
1977	---	---	0 ON MAY 01	---	1977
1981	---	1.44 ON JUL 27	0 ON MAY 01	6 140	1981
1982	---	1.39 ON JUL 22	0 ON MAY 01	4 570	1982
1983	---	1.35 ON JUN 21	0 ON MAY 01	6 500	1983
1984	1.80 AT 10:10 MST ON JUL 20 *	1.58 ON JUL 21 *	0 ON MAY 01	7 290	1984
1985	---	1.41 ON JUL 15	0 ON MAY 01	6 620	1985
1986	---	1.40 ON JUN 27	0 ON MAY 01	6 690	1986
1987	---	1.49 ON JUL 07	0 ON MAY 01	6 130	1987
1988	---	1.46 ON JUN 28	0 ON JUN 09	8 640	1988
1989	---	1.51 ON JUL 24	0 ON MAY 01	7 380	1989
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 410	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO. 05AC014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0	0.001	0.003	0.002	0.001	---	---	0.001	1959
1960	---	---	---	---	0	0.014	0.020	0.003	0.010	0.005	---	---	0.009	1960
1961	---	---	---	---	0.001	0.073	0.027	0	0	0.036	---	---	0.023	1961
1962	---	---	---	---	0.002	0.070	0.068	0	0.050	0.073	---	---	0.044	1962
1963	---	---	---	---	0.025	0.087	0.002	0.022	0.030	0.058	---	---	0.037	1963
1964	---	---	---	---	0	0.061	0.041	0.010	0	0.073	---	---	0.031	1964
1965	---	---	---	---	0	0.037	0	0	0	0	---	---	0.006	1965
1966	---	---	---	---	0.001	0.036	0	0	0	0.037	---	---	0.012	1966
1967	---	---	---	---	0	0.003	0.037	0.018	0.019	0.034	---	---	0.019	1967
1968	---	---	---	---	0	0	0.023	0.001	0	0.018	---	---	0.007	1968
1969	---	---	---	---	0.001	0	0.006	0.012	0	0.071	---	---	0.015	1969
1970	---	---	---	---	0	0.016	0.012	0.023	0.042	0.026	---	---	0.020	1970
1971	---	---	---	---	0	0.005	0.049	0.008	0.001	0.010	---	---	0.012	1971
1972	---	---	---	---	0	0.018	0.025	0.034	0	0.020	---	---	0.016	1972
1973	---	---	---	---	0.004	0.027	0.053	0.049	0	0.010	---	---	0.024	1973
1974	---	---	---	---	0	0.046	0.094	0.014	0.015	0.042	---	---	0.035	1974
1975	---	---	---	---	0	0.002	0.133	0.043	0.023	0.016	---	---	0.036	1975
1976	---	---	---	---	0.077	0.172	0.233	0.035	0.070	0.097	---	---	0.114	1976
MEAN	---	---	---	---	0.006	0.037	0.046	0.015	0.015	0.035	---	---	0.026	MEAN

LOCATION - LAT 50 11 10 N
LONG 112 34 20 W
REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO. 05AC014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.020 ON AUG 12	0 ON MAY 01 *	20.6	1959
1960	---	0.057E ON JUN 24	0E ON MAY 01	139	1960
1961	---	0.159 ON JUN 20	0 ON MAY 01	361	1961
1962	---	0.178 ON JUL 05	0 ON MAY 01	694	1962
1963	---	0.190 ON JUN 17	0E ON MAY 01	580	1963
1964	---	0.246 ON OCT 12	0 ON MAY 01	491	1964
1965	---	0.116 ON JUN 10	0 ON MAY 01	97.5	1965
1966	---	0.133 ON OCT 19	0 ON MAY 01	196	1966
1967	---	0.093 ON JUL 19	0 ON MAY 01	295	1967
1968	---	0.102 ON JUL 27	0 ON MAY 01	117	1968
1969	---	0.184 ON OCT 05	0 ON MAY 01	242	1969
1970	---	0.065 ON JUN 10	0 ON MAY 01	315	1970
1971	---	0.085 ON JUL 24	0 ON MAY 01	193	1971
1972	---	0.088 ON JUL 01	0 ON MAY 01	257	1972
1973	---	0.190 ON AUG 05	0 ON MAY 01	381	1973
1974	---	0.173 ON JUL 19	0 ON MAY 01	559	1974
1975	---	0.286 ON JUL 20	0 ON MAY 01	577	1975
1976	---	0.334 ON MAY 29 *	0 ON MAY 01	1 810	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		408	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO. 05AC015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.002	0.156	0.311	0.078	0.016	0.061	---	---	0.104	1959
1960	---	---	---	---	0.005	0.278	0.800	0.111	0.101	0.198	---	---	0.250	1960
1961	---	---	---	---	0.065	0.807	0.583	0.130	0.337	0.455	---	---	0.394	1961
1962	---	---	---	---	0.200	0.702	0.932	0.175	0.118	0.452	---	---	0.430	1962
1963	---	---	---	---	0.153	0.899	0.250	0.246	0.208	0.781	---	---	0.455	1963
1964	---	---	---	---	0.073	0.810	0.980	0.519	0.386	0.806	---	---	0.596	1964
1965	---	---	---	---	0	0.297	0.298	0.284	0.045	0.162	---	---	0.181	1965
1966	---	---	---	---	0.032	0.244	0.116	0.086	0.127	0.223	---	---	0.138	1966
1967	---	---	---	---	0	0.050	0.802	0.445	0.199	0.323	---	---	0.305	1967
1968	---	---	---	---	0.201	0.415	1.05	0.238	0.206	0.250	---	---	0.395	1968
1969	---	---	---	---	0.107	0.867	0.173	0.387	0.278	0.654	---	---	0.409	1969
1970	---	---	---	---	0.164	0.790	0.522	0.638	0.287	0.528	---	---	0.488	1970
1971	---	---	---	---	0.023	0.527	1.20	0.450	0.155	0.327	---	---	0.448	1971
1972	---	---	---	---	0.045	0.747	0.954	0.852	0.170	0.257	---	---	0.505	1972
1973	---	---	---	---	0.444	0.767	1.21	0.541	0.145	0.349	---	---	0.581	1973
1974	---	---	---	---	0.012	0.853	1.68	0.850	0.411	0.596	---	---	0.735	1974
1975	---	---	---	---	0	0.112	1.37	0.892	0.195	0.206	---	---	0.467	1975
1976	---	---	---	---	0.492	2.09	1.73	0.555	0.725	0.781	---	---	1.06	1976
1977	---	---	---	---	0.472	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.142	0.634	0.832	0.415	0.228	0.411	---	---	0.441	MEAN

LOCATION - LAT 50 09 20 N
LONG 112 29 50 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO. 05AC015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.745 ON JUL 15	0 ON MAY 01 *	1 650	1959
1960	---	1.23 ON JUL 16	0 ON MAY 01	3 970	1960
1961	---	1.14 ON JUN 19	0 ON MAY 01	6 270	1961
1962	---	1.72 ON JUL 09	0 ON MAY 01	6 840	1962
1963	---	1.72 ON JUN 21	0 ON OCT 24	7 230	1963
1964	---	1.53 ON OCT 13	0 ON MAY 01	9 470	1964
1965	---	1.06 ON AUG 04	0 ON MAY 01	2 880	1965
1966	---	0.530 ON JUN 23	0E ON MAY 01	2 190	1966
1967	---	1.83 ON JUL 25	0 ON MAY 01	4 850	1967
1968	---	1.65 ON JUL 16	0 ON OCT 22	6 280	1968
1969	---	1.32 ON JUN 18	0 ON MAY 01	6 510	1969
1970	---	1.74 ON JUN 10	0 ON MAY 01	7 750	1970
1971	---	1.45 ON JUL 18	0 ON MAY 01	7 110	1971
1972	---	1.61 ON AUG 05	0 ON MAY 01	8 020	1972
1973	---	1.62 ON JUL 26	0 ON MAY 01	9 230	1973
1974	---	2.01 ON JUL 29	0 ON MAY 01	11 700	1974
1975	---	2.08 ON JUL 29	0 ON MAY 01	7 420	1975
1976	---	2.30 ON JUN 15 *	0 ON MAY 01	16 800	1976
1977	---	---	---	---	1977

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

7 010 MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO. 05AC016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0	0.190	0.096	0.053	0.042	0.050	---	---	0.071	1959
1960	---	---	---	---	0	0.185	0.369	0.018	0.062	0.117	---	---	0.125	1960
1961	---	---	---	---	0.034	0.587	0.371	0.148	0.156	0.200	---	---	0.249	1961
1962	---	---	---	---	0.326	0.492	0.713	0.096	0.143	0.336	---	---	0.351	1962
1963	---	---	---	---	0.193	0.527	0.108	0.164	0.069	0.370	---	---	0.238	1963
1964	---	---	---	---	0.057	0.403	0.588	0.322	0.091	0.343	---	---	0.301	1964
1965	---	---	---	---	0	0.176	0.150	0.088	0.042	0.020	---	---	0.079	1965
1966	---	---	---	---	0.029	0.155	0.074	0.025	0.105	0.163	---	---	0.092	1966
1967	---	---	---	---	0	0.018	0.497	0.226	0.182	0.411	---	---	0.224	1967
1968	---	---	---	---	0.080	0.188	0.571	0.080	0.141	0.134	---	---	0.199	1968
1969	---	---	---	---	0.042	0.340	0.042	0.334	0.167	0.154	---	---	0.179	1969
1970	---	---	---	---	0.201	0.668	0.157	0.347	0.092	0.187	---	---	0.274	1970
1971	---	---	---	---	0.020	0.302	0.443	0.155	0.142	0.238	---	---	0.217	1971
1972	---	---	---	---	0.049	0.198	0.506	0.213	0.045	0.072	---	---	0.214	1972
1973	---	---	---	---	0.336	0.188	0.602	0.295	0.105	0.124	---	---	0.309	1973
1974	---	---	---	---	0	0.584	0.704	0.418	0.144	0.225	---	---	0.346	1974
1975	---	---	---	---	0	0.063	0.631	0.220	0.105	0.181	---	---	0.201	1975
1976	---	---	---	---	0.251	0.821	0.673	0.127	0.267	0.228	---	---	0.393	1976
1977	---	---	---	---	0.286	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.100	0.360	0.405	0.185	0.117	0.197	---	---	0.226	MEAN

LOCATION - LAT 50 07 40 N
LONG 112 24 40 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO. 05AC016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.394 ON JUN 19	0 ON MAY 01 *	1 130	1959
1960	---	0.527 ON JUL 19	0E ON MAY 01	1 990	1960
1961	---	0.728 ON JUN 16	0 ON MAY 01	3 940	1961
1962	---	1.08 ON MAY 31	0 ON MAY 01	5 590	1962
1963	---	1.05 ON JUN 20	0 ON JUN 24	3 780	1963
1964	---	0.790 ON JUL 23	0 ON MAY 01	4 790	1964
1965	---	0.507 ON JUN 15	0 ON MAY 01	1 260	1965
1966	---	0.365 ON JUN 03	0 ON MAY 01	1 460	1966
1967	---	1.01 ON JUL 22	0 ON MAY 01	3 560	1967
1968	---	0.892 ON JUL 21	0 ON MAY 01	3 170	1968
1969	---	0.711 ON AUG 12	0 ON MAY 01	2 840	1969
1970	---	3.37 ON JUN 07 *	0 ON MAY 01	4 160	1970
1971	---	0.739 ON JUL 22	0 ON MAY 01	3 450	1971
1972	---	0.807 ON JUN 08	0 ON MAY 01	3 400	1972
1973	---	0.940 ON MAY 28	0 ON MAY 01	4 910	1973
1974	---	1.06 ON JUN 16	0 ON MAY 01	5 490	1974
1975	---	1.01 ON JUL 23	0 ON MAY 01	3 200	1975
1976	---	0.977 ON JUN 06	0 ON MAY 01	6 250	1976
1977	---	---	0 ON MAY 01	---	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 590	MEAN

BOW RIVER NEAR COCHRANE - STATION NO. 05BH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	441	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	---	441	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 10 22 N LONG 114 28 00 W DRAINAGE AREA, 7 580 km^2 REGULATED

BOW RIVER NEAR COCHRANE - STATION NO. 05BH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
				---	MEAN

BOW RIVER NEAR KANANASKIS - STATION NO. 05BE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	17.8	62.3	155	174	168	93.2	61.1	35.7	18.6	---	1912
1913	19.9	19.2	23.7	36.4	72.1	250	157	143	95.8	57.4	42.7	39.6	79.9	1913
1914	24.3	18.3	19.0	22.9	73.2	196	197	99.9	60.5	61.2	34.5	18.3	69.1	1914
1915	18.5	22.7	23.4	31.0	72.8	154	228	145	71.9	52.5	39.5	33.1	74.8	1915
1916	22.6	27.7	30.1	37.5	52.2	261	301	140	99.1	56.5	45.1	34.8	92.4	1916
1917	25.9	17.6	16.0	19.0	74.2	183	205	111	73.3	50.1	26.5	24.7	69.2	1917
1918	26.9	17.0	17.4	22.9	62.9	233	146	104	70.7	46.6	30.9	30.7	67.5	1918
1919	31.6	21.4	19.9	23.3	94.8	153	123	115	66.5	37.4	28.3	21.5	61.6	1919
1920	17.8	20.7	15.7	15.3	34.8	131	307	127	65.6	46.1	33.8	26.4	70.4	1920
1921	25.9	20.2	19.3	24.4	84.9	234	173	101	48.4	37.7	32.3	24.9	69.0	1921
1922	20.3	16.9	19.2	21.7	67.2	209	140	110	67.1	40.0	27.7	23.4	63.7	1922
MEAN	23.4	20.2	20.4	24.7	68.3	196	196	124	73.8	49.7	34.3	26.9	71.8	MEAN

LOCATION - LAT 51 05 20 N LONG 115 05 20 W DRAINAGE AREA, 4 160 km^2 REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO. 05BE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	235 ON JUL 14	---	---	1912
1913	---	317 ON JUN 13	16.1B ON FEB 22	2 520 000	1913
1914	---	294 ON JUN 18	11.9B ON DEC 15	2 180 000	1914
1915	---	391 ON JUN 28	14.2B ON JAN 27	2 360 000	1915
1916	---	600 ON JUN 21 *	21.5B ON JAN 03	2 920 000	1916
1917	---	280 ON JUL 05	13.3B ON FEB 20	2 180 000	1917
1918	---	382 ON JUN 18	13.6B ON MAR 01	2 130 000	1918
1919	---	257 ON JUN 23	15.9B ON DEC 31	1 940 000	1919
1920	---	371 ON JUL 13	11.0B ON MAR 04 *	2 230 000	1920
1921	---	306 ON JUN 26	13.6B ON FEB 19	2 180 000	1921
1922	---	309 ON JUN 05	13.5B ON FEB 10	2 010 000	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 270 000	MEAN

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	270	223	137	79.2	71.1	43.0	31.5	---	1910
1911	---	17.4	19.5	23.4	63.1	288	228	163	99.2	52.1	---	---	---	1911
MEAN	---	17.4	19.5	23.4	63.1	279	226	150	89.2	61.6	43.0	31.5	---	MEAN

LOCATION - LAT 51 10 20 N LONG 114 51 00 W DRAINAGE AREA, 5 380 km² REGULATED

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	371 ON JUN 18	---	---	1910
1911	---	382 ON JUN 25 *	9.63 ON APR 13 *	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	23.8	21.3	19.7	23.4	77.3	367	214	140	91.3	49.1	31.1	28.5	90.6	1923
1924	26.0	27.3	26.2	26.0	111	178	194	149	79.2	45.2	32.8	27.9	77.1	1924
1925	27.6	26.8	25.6	39.1	160	254	192	148	95.6	61.9	41.4	31.6	92.3	1925
1926	27.7	30.3	28.2	38.4	71.5	174	158	94.0	110	72.1	45.3	34.3	69.6	1926
1927	28.3	27.4	27.0	30.5	60.3	265	245	161	123	61.0	54.3	39.8	98.0	1927
1928	40.4	34.2	32.0	32.0	180	338	295	116	75.5	43.9	32.8	25.0	105	1928
1929	21.7	22.9	25.4	22.0	62.6	253	129	101	62.6	39.5	33.8	26.3	66.6	1929
1930	16.6	19.4	18.0	29.9	89.0	269	213	125	78.4	41.3	29.4	27.1	79.8	1930
1931	30.0	24.0	19.0	18.9	79.7	194	154	102	79.4	40.6	26.9	27.5	66.5	1931
1932	24.1	26.6	25.4	26.0	99.2	413	184	131	86.6	49.2	35.5	29.0	93.6	1932
1933	26.1	25.2	22.5	26.8	86.8	302	240	127	85.3	48.9	38.2	28.8	89.0	1933
1934	29.9	26.8	25.8	58.9	194	214	151	104	69.5	45.7	34.9	26.8	82.0	1934
1935	32.0	22.7	24.7	31.7	61.6	227	231	135	65.3	40.0	31.5	37.0	78.6	1935
1936	27.9	26.0	23.4	26.7	106	193	132	91.6	54.0	34.4	26.7	25.7	64.0	1936
1937	27.4	27.3	24.4	28.5	67.5	170	166	110	71.5	49.2	43.1	28.6	66.6	1937
1938	26.9	25.1	25.2	26.7	109	217	212	98.2	80.2	48.0	30.1	34.6	86.8	1938
1939	28.2	28.4	27.0	23.1	95.3	146	186	103	68.1	48.6	41.5	30.4	69.2	1939
1940	34.9	33.6	28.8	28.4	113	172	136	92.2	91.0	49.6	34.7	29.9	70.5	1940
1941	22.9	21.0	19.6	22.4	63.3	137	113	95.2	65.9	44.9	29.9	23.9	54.7	1941
1942	22.9	24.7	15.8	18.9	102	186	194	115	77.7	47.9	38.7	48.8	74.4	1942
1943	40.7	46.7	44.4	42.5	64.5	142	238	108	59.8	50.2	48.2	46.7	78.0	1943
1944	42.4	43.0	40.5	31.6	74.3	159	102	105	68.0	46.6	45.6	44.6	66.9	1944
1945	43.7	39.2	35.6	29.4	59.0	191	161	90.4	62.4	47.1	47.7	46.9	71.3	1945
1946	46.3	47.6	41.4	43.2	121	219	152	98.4	88.2	57.6	51.8	51.2	84.9	1946
1947	51.5	49.7	46.0	50.9	140	245	173	91.6	81.0	75.0	58.4	51.5	93.0	1947
1948	48.9	48.2	48.3	47.0	156	286	161	143	81.3	51.8	45.3	46.1	97.0	1948
1949	45.7	41.9	37.1	36.7	99.5	124	92.9	82.2	57.2	37.4	37.3	37.4	60.9	1949
1950	38.4	28.0	24.7	25.2	40.3	201	179	91.5	63.9	54.1	52.5	51.2	71.0	1950
1951	47.5	44.8	53.4	56.6	121	183	267	132	104	77.8	69.9	64.9	102	1951
1952	59.7	46.6	49.7	62.2	111	169	160	113	69.0	56.4	52.3	52.0	83.6	1952
1953	53.7	52.8	46.5	47.4	81.8	203	182	104	74.4	59.2	62.4	56.6	85.5	1953
1954	58.4	49.0	46.5	54.4	96.1	199	240	155	120	72.8	65.1	63.4	102	1954
1955	59.9	57.1	55.6	57.6	59.6	166	153	85.5	62.5	47.2	50.8	59.6	76.3	1955
1956	63.9	60.1	58.8	50.1	111	198	149	94.6	80.2	59.5	49.5	48.0	84.4	1956
1957	46.4	49.8	50.3	44.7	126	146	103	74.6	61.6	59.7	44.6	50.0	71.4	1957
1958	56.1	67.3	59.2	47.2	117	159	132	96.2	61.5	50.2	52.2	53.1	81.4	1958
1959	63.9	56.0	38.5	43.0	68.3	183	157	89.8	71.4	53.7	52.6	66.3	78.7	1959
1960	63.4	54.6	47.0	38.6	66.7	152	162	98.2	61.6	51.7	52.1	54.2	75.2	1960
1961	46.2	52.8	47.4	51.0	114	246	125	118	72.4	68.6	64.9	72.2	89.9	1961
1962	69.0	67.7	70.9	55.4	65.2	161	137	106	74.0	---	---	---	---	1962
1979	56.6	65.6	59.1	48.4	62.2	126	106	84.0	65.8	39.2	28.6	35.2	64.6	1979
1980	38.3	39.4	36.7	36.8	134	198	103	80.5	61.6	54.9	49.6	54.6	74.0	1980
1981	60.3	55.0	46.5	45.2	120	189	238	182	90.0	50.1	50.9	47.7	100	1981
1982	51.9	46.1	39.3	42.5	70.0	188	149	89.3	68.0	52.1	53.0	54.7	73.8	1982
1983	55.3	51.1	49.4	42.5	70.3	136	123	99.2	67.5	47.6	45.1	41.7	69.2	1983
1984	50.3	55.2	43.5	41.2	41.5	142	122	94.6	78.1	53.5	47.7	43.2	67.7	1984
1985	40.8	44.5	49.7	45.3	78.0	124	124	82.4	71.7	41.2	36.8	42.0	65.2	1985
1986	48.0	50.2	51.6	48.9	99.9	302	157	99.9	66.0	48.6	59.3	71.9	92.0	1986
1987	67.4	55.0	48.2	43.6	142	137	105	75.5	53.1	45.9	46.5	45.6	72.2	1987
1988	48.3	44.5	48.6	61.5	105	167	128	90.9	63.5	62.4	49.9	43.7	76.4	1988
1989	46.1	48.9	46.4	40.3	75.9	169	119	117	88.0	59.2	55.5	50.4	76.3	1989
1990	49.4	52.2	57.9	53.5	95.8	292	218	120	72.5	60.9	60.5	49.7	98.7	1990
MEAN	42.3	40.9	38.4	39.2	95.7	205	166	109	75.4	52.5	45.3	43.3	79.6	MEAN

LOCATION - LAT 51 07 10 N LONG 115 02 00 W DRAINAGE AREA, 5 170 km² REGULATED SINCE 1911

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	697 AT 11:00 MST ON JUN 15	663 ON JUN 15	15.9 ON MAR 18	2 860 000	1923
1924	337 AT 21:00 MST ON JUL 05	334 ON JUL 05	15.4 B ON DEC 17	2 440 000	1924
1925	362 AT 14:00 MST ON JUN 23	343 ON JUN 23	17.6 E ON MAR 15	2 910 000	1925
1926	274 AT 22:15 MST ON JUL 10	212 ON JUL 08	16.1 ON JAN 04	2 190 000	1926
1927	583 AT 12:00 MST ON JUN 27	411 ON JUN 11	17.6 ON MAR 27	3 090 000	1927
1928	515 AT 09:00 MST ON JUN 29	493 ON JUN 29	9.40B ON DEC 05	3 330 000	1928
1929	699 AT 01:00 MST ON JUN 03	555 ON JUN 03	9.46 ON APR 21	2 100 000	1929
1930	453 AT 11:00 MST ON JUN 09	374 ON JUN 09	10.5 B ON JAN 29	2 520 000	1930
1931	275 ON JUN 19	265 ON JUN 19	9.40 ON MAR 11	2 100 000	1931
1932	903 AT 17:00 MST ON JUN 02 *	762 ON JUN 03 *	13.2 B ON JAN 13	2 960 000	1932
1933	705 AT 14:00 MST ON JUN 17	583 ON JUN 18	16.1 ON JAN 17	2 810 000	1933
1934	430 AT 22:00 MST ON MAY 31	416 ON MAY 31	8.35 ON DEC 26	2 590 000	1934
1935	309 AT 16:00 MST ON JUN 01	289 ON JUN 17	15.3 ON FEB 08	2 480 000	1935
1936	343 AT 11:00 MST ON MAY 30	334 ON JUN 02	11.6 B ON DEC 06	5 020 000	1936
1937	306 AT 14:30 MST ON JUN 19	232 ON JUN 18	11.9 B ON MAR 20	2 100 000	1937
1938	453 AT 20:30 MST ON JUN 22	419 ON JUN 23	11.3 B ON JAN 30	5 740 000	1938
1939	328 AT 15:00 MST ON JUL 03	306 ON JUL 02	12.7 ON DEC 28	2 180 000	1939
1940	306 AT 07:30 MST ON MAY 27	280 ON MAY 26	10.3 ON DEC 16	2 230 000	1940
1941	279 AT 17:00 MST ON JUN 19	173 ON JUN 15	6.85 ON DEC 29 *	1 730 000	1941
1942	459 AT 10:00 MST ON JUN 09	289 ON JUN 09	10.8 ON JAN 02	2 350 000	1942
1943	368 AT 15:30 MST ON JUL 27	320 ON JUL 10	11.6 ON JAN 18	2 460 000	1943
1944	340 AT 09:00 MST ON JUL 07	215 ON JUN 13	23.0 ON APR 24	2 120 000	1944
1945	419 AT 09:00 MST ON MAY 31	274 ON JUN 22	20.4 ON APR 22	2 250 000	1945
1946	402 AT 10:00 MST ON MAY 28	323 ON MAY 29	10.9 ON NOV 18	2 680 000	1946
1947	413 AT 09:20 MST ON JUN 03	306 ON JUN 12	12.3 ON MAR 30	2 930 000	1947
1948	498 AT 09:45 MST ON MAY 25	419 ON MAY 24	12.8 ON DEC 26	3 070 000	1948
1949	248 AT 07:10 MST ON MAY 16	193 ON JUN 08	24.3 ON NOV 07	1 920 000	1949
1950	348 AT 12:00 MST ON JUN 22	343 ON JUN 22	11.0 ON APR 02	2 240 000	1950
1951	385 AT 11:00 MST ON JUL 07	331 ON JUL 07	10.6 ON FEB 11	3 230 000	1951
1952	283 AT 05:00 MST ON JUL 06	249 ON JUL 06	17.4 ON FEB 17	2 640 000	1952
1953	368 AT 12:30 MST ON JUN 13	354 ON JUN 14	23.1 ON APR 12	2 700 000	1953
1954	334 AT 21:30 MST ON JUN 16	323 ON JUL 09	31.7 ON APR 17	3 220 000	1954
1955	368 AT 16:00 MST ON JUN 24	281 ON JUN 24	29.2 ON MAY 08	2 400 000	1955
1956	411 AT 14:00 MST ON JUN 04	297 ON JUN 06	32.0 ON DEC 04	2 670 000	1956
1957	220 AT 15:00 MST ON JUN 05	203 ON MAY 21	24.5 ON APR 21	2 250 000	1957
1958	340 AT 08:00 MST ON JUN 11	215 ON JUN 11	29.7 ON APR 20	2 560 000	1958
1959	317 AT 11:00 MST ON JUN 23	249 ON JUN 24	27.1 ON MAR 03	2 480 000	1959
1960	258 AT 14:00 MST ON JUL 01	217 ON JUL 02	23.2 ON APR 03	2 380 000	1960
1961	411 AT 12:00 MST ON JUN 06	368 ON JUN 06	29.5 ON MAR 05	2 840 000	1961
1962	276 AT 12:00 MST ON JUN 27	250 ON JUN 27	25.6 ON MAY 13	---	1962
1979	---	166 ON MAY 28	18.7 ON NOV 03	2 040 000	1979
1980	---				
1981	379 ON MAY 28	265 ON JUN 19	13.6 ON NOV 13	2 340 000	1980
1982	312 AT 11:00 MST ON JUN 17	343 ON MAY 27	34.6 ON APR 26	3 150 000	1981
1983	245 AT 13:15 MST ON MAY 31	257 ON JUN 23	25.4 ON MAY 16	2 330 000	1982
1984	---	212 ON JUN 01	25.3 ON APR 23	2 180 000	1983
1985	---	255 ON JUL 01	22.1 ON OCT 29	2 140 000	1984
1986	---	205 ON MAY 26	19.0 ON NOV 11	2 050 000	1985
1987	---	409 ON JUN 02	30.2 ON JAN 05	2 900 000	1986
1988	331 AT 15:20 MST ON JUN 09	220 ON MAY 14	24.5 ON MAR 22	2 280 000	1987
1989	---	318 ON JUN 09	28.5 ON MAR 20	2 410 000	1988
1990	---	267 ON JUN 16	29.0 ON MAY 01	2 410 000	1989
		383 ON JUN 02	32.5 B ON DEC 23	3 110 000	1990
				2 510 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	35.5	16.9	63.4	72.4	64.7	---	1964
1965	55.6	50.7	80.8	173	107	309	369	158	133	135	103	74.7	146	1965
1966	76.7	66.6	110	123	145	302	229	96.7	72.2	70.4	75.1	74.8	120	1966
1967	70.5	70.4	96.8	175	185	591	223	96.6	62.6	51.8	54.2	54.6	144	1967
1968	72.9	82.9	78.8	61.7	50.3	381	117	73.4	83.5	92.3	54.4	44.5	82.6	1968
1969	61.8	60.9	72.6	185	217	298	387	105	63.5	63.1	60.2	39.4	135	1969
1970	45.7	53.6	62.7	83.6	106	261	126	55.0	25.8	57.0	62.8	47.5	82.1	1970
1971	51.5	55.5	54.9	144	157	284	93.4	71.8	30.9	39.7	55.0	30.5	88.9	1971
1972	45.6	48.5	96.5	89.7	151	378	248	143	100	90.4	80.2	51.0	127	1972
1973	53.6	64.4	103	89.7	132	247	131	49.7	37.2	46.5	59.3	63.1	89.7	1973
1974	59.8	73.2	71.1	138	208	344	184	96.3	55.8	51.9	61.6	62.3	117	1974
1975	59.2	66.7	68.4	124	134	221	155	60.7	45.1	54.5	72.8	46.0	92.2	1975
1976	63.4	74.8	82.4	80.9	131	111	122	179	95.1	56.5	52.9	40.7	91.0	1976
1977	39.1	60.6	72.3	49.3	24.1	55.6	28.5	60.5	42.7	33.0	28.1	37.6	44.0	1977
1978	56.9	73.6	122	94.1	126	257	136	76.7	90.6	90.6	57.4	66.2	104	1978
1979	60.3	67.0	118	98.6	112	91.9	41.1	28.8	21.8	26.0	46.5	30.8	61.8	1979
1980	41.9	46.0	51.4	111	127	260	49.3	48.7	31.3	66.7	61.6	60.6	79.5	1980
1981	77.4	74.0	74.9	79.4	212	302	229	177	60.0	20.0	66.7	37.1	121	1981
1982	48.8	56.7	60.2	98.2	66.9	176	146	35.8	29.3	43.8	51.0	60.1	72.7	1982
1983	64.8	68.0	60.0	85.0	78.4	107	84.1	36.9	23.0	15.5	48.8	25.7	57.9	1983
1984	57.1	70.2	61.4	43.2	16.2	86.7	50.6	31.3	18.2	10.3	39.5	42.5	43.7	1984
1985	46.6	38.3	77.9	83.3	39.4	58.6	26.6	25.6	55.7	56.3	43.7	59.1	50.9	1985
1986	63.0	46.0	85.3	46.7	62.2	255	117	45.2	42.2	125	80.2	75.2	87.1	1986
1987	70.9	68.3	68.3	58.5	86.8	35.5	56.0	50.4	25.5	41.5	64.2	43.3	58.3	1987
1988	38.2	44.3	84.9	38.8	20.0	89.4	48.2	46.5	40.3	48.5	57.4	45.7	49.3	1988
1989	50.1	55.9	60.4	79.6	45.6	103	48.8	47.8	75.3	78.7	63.5	42.4	62.4	1989
1990	67.3	58.7	77.5	66.0	125	421	192	89.3	24.3	57.8	59.8	41.6	107	1990
MEAN	57.7	61.4	78.9	96.1	111	224	141	74.9	53.2	58.4	60.3	50.4	89.0	MEAN

LOCATION - LAT 50 02 47 N DRAINAGE AREA, 25 300 km²
LONG 111 35 28 W REGULATED SINCE 1911

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	750 ON JUN 20	27.7 B ON DEC 31	4 610 000	1965
1966	521 AT 09:00 MST ON JUN 07	510 ON JUN 07	26.9 B ON JAN 01	3 800 000	1966
1967	1 270 AT 14:00 MST ON JUN 02 *	1 230 ON JUN 02 *	24.1 B ON NOV 21	4 540 000	1967
1968	---	251 ON JUN 17	11.6 ON MAY 05	2 610 000	1968
1969	1 070 AT 14:10 MST ON JUL 01	997 ON JUL 01	25.8 B ON DEC 12	4 250 000	1969
1970	750 AT 17:40 MST ON JUN 16	697 ON JUN 16	9.57 ON OCT 01	2 590 000	1970
1971	705 AT 04:00 MST ON JUN 09	668 ON JUN 09	14.6 ON SEP 28	2 800 000	1971
1972	---	501E ON JUN 12	25.5 B ON DEC 03	4 010 000	1972
1973	379 AT 10:20 MST ON MAY 29	368 ON JUN 28	16.3 ON SEP 30	2 830 000	1973
1974	592 AT 00:40 MST ON JUN 21	566 ON JUN 20	24.2 ON OCT 14	3 690 000	1974
1975	654 AT 10:50 MST ON JUN 22	555 ON JUN 22	23.5 ON SEP 16	2 910 000	1975
1976	459 AT 07:30 MST ON AUG 08	413 ON AUG 08	24.6 ON OCT 17	2 880 000	1976
1977	139 AT 09:30 MST ON AUG 18	136 ON JUN 13	3.28 ON MAY 04	1 390 000	1977
1978	385 AT 15:00 MST ON JUN 08	365 ON JUN 08	35.4 ON AUG 16	3 280 000	1978
1979	---	208 ON MAY 30	13.7 E ON OCT 27	1 950 000	1979
1980	494 AT 06:05 MST ON MAY 29	424 ON MAY 29	16.3 ON SEP 12	2 520 000	1980
1981	732 AT 06:00 MST ON MAY 28	718 ON MAY 28	12.6 ON MAY 08	3 830 000	1981
1982	322 AT 08:25 MST ON JUL 02	301 ON JUL 02	16.0 ON OCT 04	2 290 000	1982
1983	194 AT 11:35 MST ON JUN 02	184A ON JUN 02	9.45 ON OCT 21	1 810 000	1983
1984	170 AT 14:55 MST ON JUN 20	159 ON JUL 05	3.00B ON OCT 30	1 380 000	1984
1985	332 AT 11:16 MST ON SEP 15	325 ON SEP 15	9.20E ON SEP 04	1 610 000	1985
1986	440 AT 06:20 MST ON JUN 02	415 ON JUN 02	2.77 ON MAY 10 *	2 750 000	1986
1987	193 AT 05:35 MST ON AUG 22	163 ON SEP 16	5.37 ON MAY 01	1 840 000	1987
1988	229 AT 14:10 MST ON JUN 14	220 ON JUN 12	6.24 ON APR 19	1 560 000	1988
1989	215 AT 10:15 MST ON JUN 19	209 ON JUN 19	14.6 ON JUN 04	1 970 000	1989
1990	851 AT 16:15 MST ON JUN 04	817 ON JUN 05	7.64 ON MAY 05	3 370 000	1990
				2 810 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	28.0	16.4	23.2	5.85	7.58	3.43	---	---	---	1962
1963	---	---	0	23.3	59.6	6.67	0.730	1.17	0.190	0.140	---	---	11.5	1963
1964	---	---	0.031	2.00	14.4	2.15	0.118	0.183	0.067	0.015	---	---	2.38	1964
1965	---	---	0	2.39	6.99	0.251	0.027	0.012	0.013	0.009	---	---	1.22	1965
1966	---	---	0.006	0.508	6.60	0.350	0.094	0.037	0.017	0.013	---	---	0.961	1966
1967	---	---	0.004	0.114	10.0	1.38	0.189	0.267	0.101	0.368	---	---	1.57	1967
1968	---	---	0.053	11.6	21.3	1.27	1.04	0.452	0.054	0.095	---	---	4.49	1968
1969	---	---	0.035	25.6	41.2	3.69	0.221	0.023	0.024	0.025	---	---	8.84	1969
1970	---	---	0.024	1.93	4.29	2.54	0.180	0.001	0.001	0.004	0.001	0	1.12	1970
1971	0	0	0	0.501	2.65	0.016	0	0	0.009	0.002	---	---	0.400	1971
1972	---	---	0.002	1.72	47.5	1.61	0.127	0.039	0.006	0.023	---	---	6.45	1972
1973	---	---	0.037	4.00	4.79	3.73	2.81	6.68	5.16	3.58	---	---	3.84	1973
1974	---	---	0.011	39.5	88.9	13.9	3.42	1.07	0.589	0.394	---	---	18.5	1974
1975	---	---	0.053	7.36	13.0	3.63	2.07	0.232	0.155	0.286	---	---	3.34	1975
1976	---	---	0.127	18.6	11.2	6.83	3.07	5.11	6.59	4.85	---	---	7.00	1976
1977	---	---	0.140	9.37	10.2	32.2	9.88	0.521	0.012	0.030	---	---	7.73	1977
1978	---	---	0.050	1.45	11.0	7.66	0.524	0.024	2.00	5.01	---	---	3.47	1978
1979	---	---	0.164	1.45	87.6	59.7	10.0	0.728	0.216	0.405	---	---	20.0	1979
1980	---	---	0.008	1.98	0.350	0.162	0.026	0.005	0.003	0.005	---	---	0.313	1980
1981	---	---	0.054	3.26	18.8	0.522	0.039	0.008	0.001	0.004	---	---	2.85	1981
1982	---	---	0.055	1.12	2.55	0.034	0.002	0.012	0.003	0.003	---	---	0.474	1982
1983	---	---	0.002	3.87	4.53	0.711	0.005	0.007	0.003	0.002	---	---	1.14	1983
1984	---	---	0	0.163	0.077	0.014	0.784	0.011	0.017	0.530	---	---	0.201	1984
1985	---	---	0.070	9.18	22.1	1.52	0.010	0.016	0.008	0.912	---	---	4.23	1985
1986	---	---	0.090	4.42	10.3	4.85	5.07	0.521	0.013	0.037	---	---	3.17	1986
1987	---	---	0.122	16.7	23.2	9.34	2.63	4.41	0.727	2.98	---	---	7.50	1987
1988	---	---	0.087	26.0	25.2	15.2	19.6	2.84	0.088	0.379	---	---	12.0	1988
1989	---	---	0.076	6.04	39.9	25.2	2.90	0.136	0.005	0.033	---	---	9.27	1989
1990	---	---	0.079	9.05	11.1	2.08	0.055	0.004	0.003	0.005	---	---	2.79	1990
MEAN	0	0	0.049	8.33	21.9	7.71	3.06	1.05	0.815	0.813	0.001	0	5.24	MEAN

LOCATION - LAT 58 26 42 N DRAINAGE AREA, 6 660 km²
LONG 116 16 10 W NATURAL FLOW

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	117 ON MAY 03	0 B ON MAR 01 *	243 000	1963
1964	---	21.2 ON MAY 07	0 ON OCT 20	50 400	1964
1965	---	17.8 ON APR 29	0 B ON MAR 01	25 700	1965
1966	---	13.8 ON MAY 13	0 B ON MAR 01	20 300	1966
1967	---	18.2 ON MAY 12	0.003B ON MAR 01	33 300	1967
1968	---	51.5 ON MAY 05	0.017 ON SEP 30	95 100	1968
1969	79.9 A AT 20:15 MST ON MAY 02	79.6 A ON MAY 02	0.003B ON OCT 28	187 000	1969
1970	12.1 AT 14:30 MST ON MAY 01	11.6 ON MAY 01	0 ON AUG 09	23 600	1970
1971	8.81 AT 13:30 MST ON MAY 01	8.44 ON MAY 01	0 B ON MAR 01	8 470	1971
1972	88.6 AT 11:30 MST ON MAY 10	88.3 ON MAY 10	0.001B ON MAR 01	136 000	1972
1973	15.9 AT 02:00 MST ON AUG 26	15.6 ON AUG 26	0.003B ON MAR 05	81 400	1973
1974	214 A AT 13:30 MST ON MAY 01 *	212 A ON MAY 02 *	0.004B ON MAR 26	391 000	1974
1975	35.1 AT 20:30 MST ON MAY 01	34.5 ON MAY 01	0.010B ON MAR 21	70 800	1975
1976	36.8 AT 17:20 MST ON APR 21	36.2 ON APR 22	0.091B ON MAR 01	148 000	1976
1977	58.9 AT 08:50 MST ON JUN 15	58.9 ON JUN 15	0.005 ON SEP 12	164 000	1977
1978	23.5 AT 09:30 MST ON MAY 30	23.3 ON MAY 30	0.005 ON AUG 30	73 400	1978
1979	117 AT 22:00 MST ON MAY 19	117 ON MAY 19	0.031 ON SEP 06	424 000	1979
1980	5.41 AT 17:00 MST ON APR 19	4.58 ON APR 23	0 B ON MAR 01	6 620	1980
1981	38.4 AT 12:00 MST ON MAY 07	38.4 ON MAY 07	0 ON SEP 15	60 400	1981
1982	5.87 AT 22:00 MST ON MAY 05	5.29 ON MAY 10	0.001 ON JUL 16	10 000	1982
1983	19.3 B AT 22:00 MST ON APR 25	18.0 B ON APR 25	0.001B ON MAR 21	24 100	1983
1984	3.14 AT 10:30 MST ON OCT 27	2.01 ON JUL 12	0 B ON MAR 01	4 260	1984
1985	40.7 AT 12:30 MST ON MAY 11	40.3 ON MAY 11	0.003 ON SEP 09	89 500	1985
1986	14.5 B AT 12:30 MST ON APR 22	14.4 ON MAY 09	0.004 ON OCT 23	67 000	1986
1987	65.5 AT 22:00 MST ON APR 23	50.4 ON APR 23	0.103B ON MAR 27	159 000	1987
1988	68.9 B AT 05:00 MST ON APR 19	65.4 B ON APR 19	0.023 ON SEP 28	255 000	1988
1989	63.4 AT 04:00 MST ON MAY 30	63.1 ON MAY 30	0.004 ON SEP 07	196 000	1989
1990	38.4 AT 17:30 MST ON APR 22	37.6 ON APR 22	0.001 ON AUG 15	59 000	1990
				111 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0	0.710	2.41	0.658	0.113	0.012	0.003	0.001	---	---	0.489	1979
1980	---	---	0	0.019	0.001	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	1.01	0.522	0	0	0	0	0	---	---	0.190	1981
1982	---	---	0	0.223	0.198	0	0	0	0	0	---	---	0.052	1982
1983	---	---	0	0.381	0.101	0.005	0.006	0.001	0	0	---	---	0.061	1983
1984	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1984
1985	---	---	0.047	1.13	0.157	0	0	0	0	0.001	---	---	0.164	1985
1986	---	---	0.019	0.475	0.057	0.002	0.001	0	0	0	---	---	0.068	1986
1987	---	---	0	1.24	0.013	0.057	0.001	0.160	0.001	0.002	---	---	0.182	1987
1988	---	---	0.005	0.367	0.044	0.018	0.112	0.012	0.001	0.013	---	---	0.071	1988
1989	---	---	0.002	1.37	1.18	0.116	0	0	0	0	---	---	0.331	1989
1990	---	---	0.008	1.21	0.391	0.023	0	0	0	0.001	---	---	0.202	1990
MEAN	---	---	0.007	0.678	0.423	0.073	0.019	0.015	0	0.002	---	---	0.151	MEAN

LOCATION - LAT 57 54 30 N
LONG 117 36 45 W
DRAINAGE AREA, 94.3 km²
NATURAL FLOW

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	21.4 AT 06:00 MST ON MAY 01 *	16.9 ON MAY 01 *	0B ON MAR 01 *	10 300	1979
1980	0.133 AT 22:00 MST ON APR 18	0.097 ON APR 15	0B ON MAR 01	50.4	1980
1981	10.6 E AT 01:00 MST ON APR 27	8.43 A ON APR 27	0B ON MAR 01	4 020	1981
1982	1.76 AT 00:00 MST ON APR 28	1.65 ON APR 28	0B ON MAR 01	1 110	1982
1983	5.07 AT 15:00 MST ON APR 20	3.14 ON APR 21	0B ON MAR 01	1 290	1983
1984	0.022 AT 22:00 MST ON JUN 30	0.014 ON JUN 30	0B ON MAR 01	5.18	1984
1985	6.41 B AT 08:30 MST ON APR 04	3.56 B ON APR 04	0B ON MAR 01	3 480	1985
1986	2.90 B AT 07:00 MST ON APR 09	1.95 B ON APR 09	0B ON MAR 01	1 440	1986
1987	9.12 B AT 07:30 MST ON APR 13	6.73 B ON APR 13	0B ON MAR 01	3 840	1987
1988	4.73 AT 16:00 MST ON APR 14	2.69 ON APR 15	0 ON MAY 07	1 500	1988
1989	14.5 B AT 20:00 MST ON APR 12	7.53 B ON APR 13	0 ON JUN 26	7 010	1989
1990	3.98 AT 20:00 MST ON APR 19	3.77 B ON APR 09	0 ON JUN 23	4 270	1990
				3 190	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	127	100	62.9	61.7	59.5	40.3	28.5	---	---	1957
1958	---	---	---	---	149	175	157	66.4	43.7	25.8	---	---	---	1958
1959	---	---	---	---	63.6	202	124	61.6	53.6	43.1	---	---	---	1959
1960	---	---	---	---	70.3	126	149	68.8	36.6	29.5	---	---	---	1960
1961	---	---	---	---	76.1	114	111	90.0	39.0	0.858	5.88	25.8	---	1961
1962	30.1	36.3	27.6	7.77	103	93.9	132	17.1	0.071	8.96	65.3	41.4	47.1	1962
1963	39.0	41.7	36.5	51.3	72.4	39.9	107	2.49	0.071	1.13	28.1	37.2	43.0	1963
1964	36.2	35.9	43.3	35.2	85.2	219	60.6	0.113	0.113	36.2	53.4	38.8	53.5	1964
1965	27.9	61.5	77.3	38.0	72.3	255	226	53.8	52.2	69.4	40.8	40.7	84.6	1965
1966	62.6	46.7	41.0	36.6	62.1	61.7	160	131	17.2	46.7	43.7	39.5	62.8	1966
1967	54.5	55.3	46.3	28.7	71.1	166	88.8	6.54	15.0	6.45	25.3	42.4	50.4	1967
1968	59.0	62.4	69.8	34.8	65.3	56.9	0.697	91.8	22.1	32.9	32.5	49.8	48.3	1968
1969	59.7	36.4	38.1	47.7	60.7	64.1	166	120	42.9	5.20	32.4	49.9	60.5	1969
1970	46.8	44.9	38.5	22.0	59.8	96.2	95.2	17.0	8.53	9.04	38.2	49.9	43.9	1970
1971	35.9	22.6	29.0	12.1	12.5	148	140	69.7	10.1	26.7	40.3	41.4	49.2	1971
1972	45.4	42.2	41.9	27.2	32.1	144	161	98.1	56.1	79.8	52.2	39.3	68.4	1972
1973	31.2	55.2	32.9	38.8	105	80.3	59.6	65.9	17.8	31.1	58.8	28.2	50.4	1973
1974	34.9	37.5	23.6	36.0	74.2	112	108	58.6	47.9	35.4	30.2	37.0	53.0	1974
1975	54.1	22.9	8.09	39.2	38.6	46.3	27.4	46.7	31.3	3.05	26.9	45.4	32.5	1975
1976	43.3	25.9	21.4	19.6	64.4	69.3	29.5	61.8	52.9	28.4	27.3	27.3	39.3	1976
1977	40.8	23.0	2.96	27.0	47.0	127	81.3	107	71.8	48.4	29.6	51.1	54.8	1977
1978	43.8	25.2	11.0	9.58	54.2	167	155	70.2	84.6	43.8	52.5	51.3	64.1	1978
1979	45.9	27.5	10.7	25.9	68.2	34.3	58.4	37.9	28.0	9.32	22.2	36.3	33.8	1979
1980	30.2	35.0	48.7	44.8	19.5	263	117	65.0	41.7	52.0	50.8	51.4	68.1	1980
1981	30.6	47.0	41.6	22.6	75.9	47.2	141	115	32.0	26.2	42.0	41.9	55.5	1981
1982	62.3	36.8	16.0	20.3	35.1	98.4	200	40.5	17.8	51.9	34.6	42.1	57.0	1982
1983	36.4	42.5	16.2	38.2	40.4	57.6	83.5	31.1	17.6	15.2	25.5	49.4	39.2	1983
1984	35.7	38.4	19.9	32.8	23.7	68.4	46.1	36.2	38.1	46.4	40.4	36.3	38.5	1984
1985	35.4	45.6	41.2	40.4	41.4	45.6	42.9	27.1	63.6	41.5	43.6	56.9	43.7	1985
1986	46.5	30.9	29.3	52.0	50.3	80.0	243	79.1	56.6	73.0	37.5	47.8	69.3	1986
1987	45.0	51.4	56.5	56.8	33.0	41.3	29.1	45.2	35.9	26.0	41.2	50.9	42.6	1987
1988	40.2	36.4	35.8	30.8	36.9	37.6	24.5	23.1	38.9	59.6	32.1	35.1	35.9	1988
1989	50.7	35.2	25.6	20.5	38.5	48.8	75.3	153	80.2	48.6	43.3	46.9	56.6	1989
1990	62.6	52.1	34.4	47.8	72.2	258	196	60.0	35.2	36.2	40.8	53.8	79.1	1990
MEAN	44.3	39.8	33.3	32.6	61.8	112	108	61.2	37.8	33.5	37.6	42.7	52.6	MEAN

LOCATION - LAT 52 54 45 N
LONG 115 21 50 W
DRAINAGE AREA, 5 660 km²
REGULATED SINCE 1960
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	289 AT 19:45 MST ON MAY 20	216 ON MAY 03	---	---	1957
1958	544 AT 05:00 MST ON JUN 29	504 ON JUN 29	---	---	1958
1959	493 AT 15:00 MST ON JUN 27	416 ON JUN 27	---	---	1959
1960	371 AT 05:30 MST ON JUL 02	337 ON JUL 02	---	---	1960
1961	365 AT 13:50 MST ON JUL 30	328 ON JUL 30	0.057 ON OCT 02	---	1961
1962	433 AT 12:00 MST ON JUN 07	314 ON JUL 12	0.028 ON AUG 06	1 490 000	1962
1963	365 AT 16:00 MST ON APR 29	254 ON APR 30	0 E ON AUG 03 *	1 360 000	1963
1964	535 AT 19:00 MST ON JUN 19	411 ON JUN 20	0.113 ON JUL 19	1 690 000	1964
1965	549 AT 16:00 MST ON JUN 29	496 ON JUN 29	0.142E ON AUG 18	2 670 000	1965
1966	680 AT 07:30 MST ON JUL 05 *	575 ON JUL 05	0.142E ON APR 29	1 980 000	1966
1967	309 AT 12:00 MST ON JUN 22	198 ON JUN 26	0.425 ON OCT 29	1 590 000	1967
1968	282 AT 17:00 MST ON AUG 19	199 ON SEP 10	0.227E ON JUL 11	1 530 000	1968
1969	345 AT 23:00 MST ON JUL 05	270 ON JUL 06	1.59 ON NOV 07	1 910 000	1969
1970	311 AT 14:00 MST ON DEC 04	234 ON DEC 04	0.736 ON SEP 11	1 380 000	1970
1971	---	257 ON JUN 10	0.906 ON AUG 29	1 550 000	1971
1972	---	513 ON JUN 27	1.13 ON JUN 08	2 160 000	1972
1973	---	209 ON MAY 08	0.963 ON SEP 15	1 590 000	1973
1974	317 AT 16:15 MST ON JUN 26	194 ON JUL 22	0.963 ON NOV 16	1 670 000	1974
1975	---	130 ON DEC 12	0.793 ON MAR 28	1 030 000	1975
1976	---	147 ON JAN 08	0.736 ON MAR 31	1 240 000	1976
1977	---	226 ON JUN 03	0.368 ON MAR 26	1 730 000	1977
1978	334 AT 05:00 MST ON JUL 12	309 ON JUL 12	0.425 ON APR 29	2 020 000	1978
1979	---	131 ON MAY 26	3.68 ON JUN 14	1 070 000	1979
1980	---	464 ON JUN 06	1.70 ON MAY 18	2 150 000	1980
1981	430 AT 10:15 MDT ON JUL 26	176 ON JUL 26	0.800 ON OCT 03	1 750 000	1981
1982	657 AT 13:40 MST ON JUL 10	527 ON JUL 08	0.752 ON MAR 13	1 800 000	1982
1983	---	140 ON JUL 07	0.829 ON OCT 05	1 240 000	1983
1984	---	137 ON JUN 19	0.915 ON JUN 03	1 220 000	1984
1985	---	152 ON SEP 15	0.652 ON SEP 01	1 380 000	1985
1986	---	1 090 ON JUL 18 *	0.481 ON FEB 23	2 190 000	1986
1987	---	110 ON MAR 11	0.651 ON OCT 17	1 340 000	1987
1988	---	92.0 ON JUL 22	0.566 ON MAY 23	1 140 000	1988
1989	---	334 ON AUG 18	0.651 ON APR 08	1 780 000	1989
1990	---	366 ON JUL 07	0.963 ON OCT 06	2 500 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 660 000	MEAN

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	41.7	89.2	72.0	59.5	30.2	---	---	---	---	1961
1962	---	---	---	---	31.5	68.6	79.7	56.1	38.1	21.2	---	---	49.1	1962
1963	---	---	---	---	30.3	65.0	74.3	50.4	36.9	20.0	---	---	46.1	1963
1964	---	---	---	---	---	138	93.7	41.9	47.1	36.2	---	---	---	1964
1965	---	---	---	---	---	135	149	76.4	57.2	40.2	---	---	---	1965
1971	---	---	---	---	---	---	75.8	53.7	27.5	18.6	---	---	---	1971
1972	---	---	---	---	42.8	146	94.6	68.4	45.9	28.8	---	---	70.8	1972
1973	---	---	---	---	57.8	84.5	66.0	49.3	30.2	---	---	---	---	1973
1974	---	---	---	---	32.8	109	78.3	52.4	34.9	23.6	---	---	55.0	1974
1975	---	---	---	---	22.5	49.8	70.1	39.6	24.2	14.6	---	---	36.8	1975
1976	---	---	---	---	38.2	50.2	80.9	87.2	34.2	18.4	---	---	51.6	1976
1977	---	---	---	---	45.8	90.2	70.6	79.6	51.3	27.3	---	---	60.7	1977
1978	---	---	---	---	41.9	114	122	63.1	59.1	30.3	---	---	71.7	1978
1979	---	---	---	---	32.5	70.1	63.6	47.6	28.9	17.6	---	---	43.3	1979
1980	---	---	---	---	43.2	164	80.0	58.4	38.8	28.9	---	---	68.5	1980
1981	---	---	---	---	63.7	48.4	85.3	77.0	42.1	23.0	---	---	56.7	1981
1982	---	---	---	---	29.1	112	119	54.8	39.0	29.0	---	---	63.7	1982
1983	---	---	---	---	39.2	72.1	65.9	41.4	23.5	17.4	---	---	43.2	1983
1984	---	---	---	---	17.5	87.5	69.7	48.9	31.6	26.5	---	---	46.8	1984
1985	---	---	---	---	39.3	54.9	62.0	62.6	52.9	27.3	---	---	49.8	1985
1986	---	---	---	---	68.8	109	128	62.2	40.5	25.4	---	---	73.9	1986
1987	---	---	---	---	31.9	89.0	63.9	84.0	37.5	21.5	---	---	49.7	1987
1988	---	---	---	---	30.1	74.9	45.9	61.1	34.9	23.6	---	---	45.0	1988
1989	---	---	---	---	30.9	80.1	73.9	103	56.6	28.0	---	---	61.9	1989
1990	---	---	---	---	52.1	160	137	73.6	45.1	25.6	---	---	82.9	1990
MEAN	---	---	---	---	39.2	93.0	84.8	62.3	39.5	25.3	---	---	56.4	MEAN

LOCATION - LAT 52 52 50 N
LONG 116 34 40 W

DRAINAGE AREA, 2 590 km^2
NATURAL FLOW

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	163 ON JUN 08	---	---	1961
1962	---	127 ON JUN 26	12.2 ON MAY 07	781 000	1962
1963	---	134 ON JUL 16	14.1 E ON OCT 27	733 000	1963
1964	---	244 ON JUN 19	---	---	1964
1965	---	237 ON JUL 09	---	---	1965
1971	---	---	---	---	1971
1972	382 AT 17:00 MST ON JUN 25	351 ON JUN 25	14.7 ON MAY 09	1 130 000	1972
1973	261 AT 15:20 MST ON JUN 24	186 ON JUN 24	---	---	1973
1974	229 AT 03:50 MST ON JUN 17	210 ON JUN 17	20.5 E ON OCT 31	874 000	1974
1975	117 AT 19:00 MST ON JUL 13	106 ON JUL 14	10.9 B ON OCT 31	585 000	1975
1976	137 AT 03:00 MST ON AUG 07	129 ON AUG 07	12.9 ON OCT 31	821 000	1976
1977	182 AT 05:30 MST ON JUN 08	162 ON JUN 08	10.6 ON MAY 01	965 000	1977
1978	382 AT 23:00 MST ON JUL 11	283 ON JUL 12	24.7 ON OCT 30	1 140 000	1978
1979	163 AT 06:00 MST ON MAY 27	128 ON MAY 27	15.0 E ON OCT 31	689 000	1979
1980	668 AT 10:00 MST ON JUN 04 *	546 ON JUN 04 *	22.0 E ON OCT 31	1 090 000	1980
1981	194 AT 16:35 MST ON JUL 24	190E ON JUL 15	17.6 ON MAY 07	901 000	1981
1982	269 AT 18:40 MST ON JUL 05	262 ON JUL 05	13.3 B ON MAY 01	1 010 000	1982
1983	168 AT 16:10 MST ON JUN 24	125 ON JUN 24	14.7 ON OCT 25	687 000	1983
1984	180 AT 05:25 MST ON JUN 16	162 ON JUN 16	9.96 ON MAY 05	744 000	1984
1985	128 AT 09:05 MST ON SEP 13	118 ON SEP 13	15.2 A ON MAY 07	792 000	1985
1986	318 AT 23:54 MST ON JUL 17	273A ON JUL 18	9.02E ON MAY 01 *	1 170 000	1986
1987	190 AT 23:59 MST ON AUG 01	157 ON AUG 02	17.5 E ON OCT 29	789 000	1987
1988	146 AT 04:49 MST ON JUN 08	281 ON JUN 08	12.9 ON MAY 05	715 000	1988
1989	452 AT 22:02 MST ON AUG 16	283 ON AUG 17	20.3 ON MAY 26	985 000	1989
1990	414 AT 01:35 MST ON JUL 07	340 ON JUL 07	18.2 E ON MAY 01	1 320 000	1990
				896 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BREED CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA040

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1990	---	---	---	---	---	0.358	0.029	0	0	0	---	---	---	1990
MEAN	---	---	---	---	---	0.358	0.029	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 01 45 N, LONG 111 17 20 W REGULATED INTERNATIONAL GAUGING STATION

BREED CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1990	---	---	---	---	1990
				---	MEAN

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	0.113	0.064	0.027	0.177	4.18	8.54	3.91	1.30	0.579	0.406	0.220	0.064	3.14	1971
1972	0.062	0.057	0.019	0.008	---	---	---	---	---	0.732	0.562	0.264	---	1972
1973	0.205	0.150	0.088	0.074	2.49	5.55	3.70	1.34	0.799	0.501	0.281	0.221	2.39	1973
1974	0.123	0.073	0.021	0.027	0.632	8.84	4.25	1.71	0.710	0.384	---	---	2.73	1974
1975	---	---	---	---	0.326	3.04	3.68	1.63	0.951	0.493	---	---	1.68	1975
1976	---	---	---	---	2.27	3.98	4.89	2.53	1.67	0.630	---	---	2.66	1976
1977	---	---	---	---	0.995	3.29	1.30	1.47	1.03	0.453	---	---	1.42	1977
1978	---	---	---	---	0.940	6.63	3.36	1.12	0.789	0.600	---	---	2.22	1978
1979	---	---	---	---	1.01	3.84	1.89	0.659	0.360	0.173	---	---	1.31	1979
1980	---	---	---	---	3.54	5.07	1.70	1.34	0.935	0.723	---	---	2.21	1980
1981	---	---	---	---	3.89	3.96	6.14	2.32	0.771	0.386	---	---	2.90	1981
1982	---	---	---	---	1.13	7.30	3.41	1.56	0.937	0.538	---	---	2.49	1982
1983	---	---	---	---	1.46	3.44	2.42	0.916	0.584	0.322	---	---	1.50	1983
1984	---	---	---	---	0.543	4.73	2.47	1.11	0.978	0.570	---	---	1.72	1984
1985	---	---	---	---	2.41	3.66	1.77	1.01	1.29	0.594	---	---	1.78	1985
1986	---	---	---	---	2.59	6.40	3.67	1.64	0.714	0.770	---	---	2.62	1986
1987	---	---	---	---	2.15	3.26	1.89	1.30	0.791	0.422	---	---	1.63	1987
1988	---	---	---	---	1.86	4.27	2.05	1.12	0.617	0.747	---	---	1.77	1988
1989	---	---	---	---	1.18	4.47	2.40	1.62	1.52	0.560	---	---	1.98	1989
1990	---	---	---	---	2.15	7.18	4.44	1.35	0.632	0.439	---	---	2.69	1990
MEAN	0.126	0.086	0.039	0.072	1.89	5.12	3.12	1.43	0.877	0.522	0.354	0.183	2.15	MEAN

LOCATION - LAT 51 05 55 N, LONG 115 39 55 W DRAINAGE AREA, 109 km^2 NATURAL FLOW

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	12.3 E ON JUN 07	0.345B ON OCT 26	49 900	1971
1972	---	---	---	---	1972
1973	---	11.3 E ON JUN 24	0.113B ON MAY 01	37 900	1973
1974	---	19.8 E ON JUN 17 *	0.113E ON MAY 01	43 400	1974
1975	13.1 AT 19:30 MST ON JUL 11	6.88 ON JUL 05	0.006B ON MAY 01 *	26 800	1975
1976	12.5 AT 11:30 MST ON JUL 01	11.5 ON JUL 01	0.263 ON MAY 01	42 300	1976
1977	12.8 AT 23:59 MST ON JUN 08	11.6 ON JUN 08	0.311A ON OCT 31	42 500	1977
1978	14.0 AT 23:00 MST ON JUN 05	12.3 ON JUN 06	0.261E ON MAY 06	35 400	1978
1979	8.92 AT 04:00 MST ON MAY 27	7.63 ON MAY 27	0.060B ON MAY 01	20 900	1979
1980	10.0 AT 01:10 MST ON JUN 11	8.71 ON MAY 26	0.392A ON OCT 29	35 100	1980
1981	14.4 AT 05:55 MST ON MAY 26	13.5 ON MAY 26	0.290E ON OCT 25	46 100	1981
1982	14.6 AT 02:55 MST ON JUN 15	13.1 ON JUN 15	0.378E ON OCT 31	39 700	1982
1983	7.30 AT 22:30 MST ON MAY 29	6.58 ON MAY 29	0.150B ON MAY 01	23 900	1983
1984	14.7 AT 21:00 MST ON JUN 29	11.5 ON JUN 29	0.158B ON OCT 31	27 400	1984
1985	8.83 AT 10:00 MST ON MAY 25	8.47 ON MAY 25	0.341B ON MAY 01	28 300	1985
1986	20.5 AT 21:56 MST ON MAY 28 *	16.1 ON MAY 28	0.107B ON MAY 02	41 700	1986
1987	6.14 AT 22:15 MST ON JUN 16	5.73 ON JUN 16	0.325B ON OCT 28	25 900	1987
1988	12.8 AT 04:29 MST ON JUN 08	10.6 ON JUN 08	0.239B ON MAY 01	28 200	1988
1989	9.04 AT 04:16 MST ON JUN 16	8.02 ON JUN 16	0.353 ON MAY 03	31 500	1989
1990	11.4 AT 07:10 MST ON JUN 24	10.6 ON JUN 24	0.165B ON MAY 01	42 700	1990
				34 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	0	0.001	0.001	0.001	0	---	1926
1927	0.001	0	0.001	0.059	0.018	0.240	0.106	0.004	0.005	0.002	0	---	---	1927
MEAN	0.001	0	0.001	0.059	0.018	0.240	0.106	0.002	0.003	0.002	0.001	0	---	MEAN

LOCATION - LAT 55 26 00 N, LONG 116 17 00 W DRAINAGE AREA, 5.13 km^2, NATURAL FLOW

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON AUG 05 *	---	1926
1927	---	2.83 ON JUN 30 *	0B ON FEB 05	---	1927
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.051	0.003	0.001	0	0	0.002	0.002	---	1967
1968	0.005	0.003	0.007	0.042	0.178	0.194	0	0	0	0	0.001	0.004	0.059	1968
1969	---	---	0	0.306	0.080	0.002	0	0	0.001	0.002	---	0.004	0.055	1969
1970	---	---	0.005	0.270	0.138	0.005	0	0	0	0	0	---	0.059	1970
1971	---	---	0.001	0.055	0.027	0.381	0.303	0.002	0	0.001	---	---	0.109	1971
1972	0.003	0.003	0.006	0.406	0.183	0.192	0.025	0.007	0.005	0.004	---	---	0.116	1972
1973	0.003	0.003	0.003	0.319	0.158	0.247	0.030	0.004	0.004	0.021	---	---	0.111	1973
1974	---	---	0.006	0.899	0.445	0.012	0	0	0.001	0.001	---	---	0.192	1974
1975	---	---	---	0.097	0.156	0.026	---	0.001	0.001	0.002	---	---	---	1975
1976	---	---	---	0.431	0.117	0.586	0.162	0.620	0.224	0.047	---	---	0.311	1976
1977	---	---	0.002	0.598	0.467	0.106	0.216	0.015	0.028	0.055	---	---	0.212	1977
1978	---	---	---	0.327	0.275	---	0.010	0.001	0.038	0.034	---	---	---	1978
1979	---	---	---	---	0.560	0.385	0.060	0.005	0.001	0.001	---	---	---	1979
1980	---	---	---	0.115	0.016	0.066	0.004	0.001	0.014	0.005	---	---	0.031	1980
1981	---	---	---	0.282	0.039	0.004	0	0	0	0	---	---	0.046	1981
1982	---	---	---	0.003	0.171	0	0.031	0.156	0.002	0.001	---	---	0.053	1982
1983	---	---	---	0.020	0.035	0.377	---	0.034	0.001	0.001	---	---	---	1983
1984	---	---	---	0.064	0.634	0.112	0.009	0	0.013	0.026	---	---	0.124	1984
1985	---	---	---	0.425	0.057	0.016	0	0	0.034	0.090	---	---	0.088	1985
1986	---	---	---	0.431	0.340	0.031	0.016	0.001	0.001	0.011	---	---	0.118	1986
1987	---	---	---	0.037	0.043	0.011	0.001	0.206	0.016	0.002	---	---	0.045	1987
MEAN	0.004	0.003	0.004	0.270	0.206	0.140	0.046	0.050	0.018	0.014	0.001	0.003	0.108	MEAN

LOCATION - LAT 54 56 10 N, LONG 117 44 02 W DRAINAGE AREA, 19.7 km^2, NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUL 10 *	---	1967
1968	1.95 AT 16:00 MST ON JUN 13	1.53 ON JUN 14	0 ON JUN 25	1 090	1968
1969	---	1.19 B ON APR 29	0 ON JUN 20	1 020	1969
1970	---	0.762B ON APR 23	0 ON JUL 04	1 080	1970
1971	2.73 AT 11:00 MST ON JUL 12	2.51 ON JUL 12	0 ON SEP 02	2 020	1971
1972	2.41 AT 10:30 MST ON JUN 26	1.91 ON JUN 26	0.002 ON SEP 26	2 150	1972
1973	1.31 AT 16:30 MST ON JUN 11	1.20 ON APR 24	0.002 ON AUG 15	2 050	1973
1974	3.26 AT 00:30 MST ON APR 25	2.94 ON APR 24	0 ON JUL 03	3 560	1974
1975	---	0.600 ON APR 29	0 ON AUG 14	---	1975
1976	---	5.15 ON AUG 18 *	0.002 ON AUG 02	5 750	1976
1977	---	3.57 ON APR 09	0.001B ON APR 01	3 910	1977
1978	---	1.59 ON APR 30	0.001 ON AUG 01	---	1978
1979	4.18 AT 10:45 MST ON JUN 14 *	2.87 ON JUN 14	0.001 ON AUG 22	---	1979
1980	2.25 AT 19:19 MST ON APR 25	0.942 ON APR 25	0 ON MAY 21	574	1980
1981	1.14 AT 06:51 MST ON APR 21	1.03 ON APR 21	0 ON JUN 22	845	1981
1982	1.19 AT 12:46 MST ON AUG 04	1.08 ON AUG 04	0 B ON APR 10	978	1982
1983	---	---	0 ON SEP 13	---	1983
1984	3.76A AT 09:45 MST ON MAY 17	3.27 E ON MAY 17	0 ON JUL 15	2 280	1984
1985	1.93 AT 02:28 MST ON APR 14	1.75 ON APR 14	0 ON MAY 22	1 620	1985
1986	1.54 AT 01:23 MST ON APR 19	1.37 ON APR 19	0 ON JUL 03	2 190	1986
1987	1.24 AT 16:40 MST ON MAY 30	1.03 ON AUG 03	0 ON JUN 03	839	1987
				2 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	2.37	1.03	1.05	1.06	---	---	---	1974
1975	---	---	---	---	1.84	1.18	1.68	0.662	0.545	0.259	---	---	1.03	1975
1976	---	---	---	---	1.89	1.85	1.32	2.48	0.615	0.364	---	---	1.42	1976
1977	---	---	---	---	6.80	5.23	3.22	4.15	3.53	1.68	---	---	4.10	1977
1978	---	---	---	---	4.52	6.16	5.29	1.84	3.42	1.42	---	---	3.76	1978
1979	---	---	---	---	3.20	1.78	0.952	0.758	0.537	0.405	---	---	1.27	1979
1980	---	---	---	---	3.02	17.8	4.81	2.78	2.30	1.27	---	---	5.28	1980
1981	---	---	---	---	4.11	3.22	7.55	4.05	1.60	1.09	---	---	3.62	1981
1982	---	---	---	---	2.72	3.96	11.9	1.31	1.65	2.71	---	---	4.06	1982
1983	---	---	---	---	4.35	4.62	3.28	0.579	0.472	0.514	---	---	2.30	1983
1984	---	---	---	---	2.47	4.76	1.30	0.563	1.09	1.68	---	---	1.97	1984
1985	---	---	---	---	2.38	2.97	1.32	2.61	5.09	1.52	---	---	2.64	1985
1986	---	---	---	---	2.98	---	---	---	---	---	---	---	---	1986
1987	---	---	---	---	0.587	0.606	2.28	8.95	1.08	0.631	---	---	2.37	1987
1988	---	---	---	---	0.636	2.18	1.22	1.86	0.875	0.588	---	---	1.22	1988
1989	---	---	---	---	3.05	2.58	3.31	6.47	4.60	1.26	---	---	3.54	1989
1990	---	---	---	---	7.12	9.83	7.67	2.38	1.39	0.860	---	---	4.87	1990
MEAN	---	---	---	---	3.23	4.58	3.72	2.65	1.87	1.08	---	---	2.90	MEAN

LOCATION - LAT 52 45 40 N LONG 116 21 20 W DRAINAGE AREA, 218 km² NATURAL FLOW

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	7.93 AT 02:00 MST ON JUL 12	5.97 ON JUL 12	---	---	1974
1975	4.33 AT 14:30 MST ON JUL 13	3.65 ON MAY 09	0.190B ON OCT 21 *	16 400	1975
1976	6.14 AT 01:00 MST ON AUG 08	5.41 ON AUG 08	0.204B ON OCT 25	22 600	1976
1977	16.7 AT 00:30 MST ON JUN 02	15.1 ON JUN 02	0.603 ON MAY 01	65 200	1977
1978	18.4 AT 24:00 MST ON JUL 11	15.6 ON JUL 12	0.677 ON OCT 27	59 800	1978
1979	5.93 AT 03:00 MST ON MAY 24	5.48 ON MAY 24	0.309 ON OCT 06	20 200	1979
1980	135 AT 16:45 MST ON JUN 04	96.7 ON JUN 04 *	0.787B ON OCT 23	84 000	1980
1981	20.3 AT 14:25 MST ON JUL 24	18.1 ON JUL 24	0.490 ON MAY 07	57 500	1981
1982	61.4 AT 12:57 MST ON JUL 05	48.1 ON JUL 05	0.616 ON SEP 25	64 600	1982
1983	19.3 AT 11:10 MST ON JUN 24	15.8 ON JUN 24	0.312 ON OCT 12	36 500	1983
1984	14.5 AT 19:59 MST ON JUN 09	12.6 ON JUN 09	0.231 ON SEP 05	31 300	1984
1985	24.6 AT 08:29 MST ON SEP 13	23.2 ON SEP 13	0.333 ON MAY 01	41 900	1985
1986	150 ON JUL 17 *	---	---	---	1986
1987	30.0 AT 23:43 MST ON AUG 01	26.0 ON AUG 02	0.310 ON MAY 18	37 700	1987
1988	10.9 AT 06:22 MST ON JUN 08	8.48 ON JUN 09	0.355B ON OCT 29	19 400	1988
1989	45.1 AT 01:19 MST ON AUG 17	32.4 ON AUG 17	0.917B ON OCT 16	56 300	1989
1990	35.5 AT 02:55 MST ON JUL 07	27.6 ON JUN 13	0.662B ON OCT 20	77 400	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		46 100	MEAN

BUCHANAN CREEK NEAR MANNING - STATION NO. 07HC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.461	1.10	0.207	0.001	0	0	0.001	0.002	---	---	0.219	1985
1986	---	---	0.089	0.961	0.814	0.022	0.002	0	0	0	---	---	0.235	1986
1987	---	---	0.008	2.83	0.030	0.003	0.004	0.483	0.019	0	---	---	0.415	1987
1988	---	---	0.010	0.224	0.157	0.179	0.145	0.012	0	0	---	---	0.090	1988
1989	---	---	0	1.24	1.19	0.560	0.010	0.029	0.059	0.227	---	---	0.412	1989
1990	---	---	0.484	2.49	1.14	3.57	0.133	0.001	0	0	---	---	0.965	1990
MEAN	---	---	0.175	1.47	0.590	0.723	0.049	0.088	0.013	0.038	---	---	0.389	MEAN

LOCATION - LAT 56 53 42 N DRAINAGE AREA, 232 km²
LONG 117 29 16 W NATURAL FLOW

BUCHANAN CREEK NEAR MANNING - STATION NO. 07HC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	2.00 B ON MAR 20	0B ON MAR 01 *	4 640	1985
1986	5.12 AT 05:30 MST ON MAY 08	3.04 ON MAY 08	0 ON JUN 24	4 970	1986
1987	30.8 AT 22:30 MST ON APR 11	22.4 ON APR 12	0B ON MAR 01	8 790	1987
1988	0.810 AT 05:30 MST ON JUN 12	0.572 ON JUN 12	0B ON MAR 01	1 910	1988
1989	13.2 AT 12:30 MST ON MAY 27	9.10 ON MAY 27	0B ON MAR 01	8 720	1989
1990	47.0 AT 20:30 MST ON JUN 13 *	35.3 ON JUN 13 *	0B ON MAR 01	20 400	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 240	MEAN

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.035	0.916	0.327	0.057	0.010	0.010	0.067	0.068	---	---	0.184	1972
1973	---	---	0.125	1.18	0.299	0.569	0.563	0.418	0.140	0.126	---	---	0.425	1973
1974	---	---	0.061	6.33	0.979	0.657	0.332	0.026	0.024	0.016	---	---	1.04	1974
1975	---	---	0.050	0.774	0.522	0.207	0.045	0.026	0.052	0.070	---	---	0.217	1975
1976	---	---	0.066	0.696	0.157	0.480	0.115	0.022	0.059	0.022	---	---	0.200	1976
1977	---	---	0.056	0.338	0.504	0.064	0	0.004	0.038	0.080	---	---	0.135	1977
1978	---	---	0.172	0.431	0.261	0.160	0.007	0	0.085	0.091	---	---	0.150	1978
1979	---	---	0.236	0.968	0.272	0.276	0.612	0.168	0.018	0.070	---	---	0.326	1979
1980	---	---	0.012	0.914	0.161	0.170	0.128	0.115	0.077	0.085	---	---	0.205	1980
1981	---	---	0.579	0.511	0.133	0.030	0.015	0.016	0	0.010	---	---	0.161	1981
1982	---	---	0	0.335	0.158	0.090	0.073	0.056	0.016	0.027	---	---	0.094	1982
1983	---	---	0.141	0.552	0.261	0.154	0.251	0.008	0.019	0.038	---	---	0.177	1983
1984	---	---	0.310	0.427	0.158	0.298	0.021	0	0.015	0.067	---	---	0.161	1984
1985	---	---	0.704	0.788	0.238	0.116	0.002	0.050	0.096	0.057	---	---	0.256	1985
1986	---	---	0.527	0.619	0.232	0.248	0.196	0.031	0.044	0.106	---	---	0.250	1986
1987	---	---	0	2.02	0.205	0.020	0.011	0.013	0.110	0.086	---	---	0.303	1987
1988	---	---	0.204	0.413	0.137	0.143	0.215	0.046	0.064	0.091	---	---	0.164	1988
1989	---	---	0.015	0.633	0.254	0.297	0.185	0.146	0.136	0.126	---	---	0.222	1989
1990	---	---	0.444	0.919	0.200	0.222	0.173	0.025	0.008	0.038	---	---	0.252	1990
MEAN	---	---	0.197	1.04	0.287	0.224	0.156	0.062	0.056	0.067	---	---	0.259	MEAN

LOCATION - LAT 53 00 26 N DRAINAGE AREA, 714 km²
LONG 110 51 57 W NATURAL FLOW

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.73 B ON APR 07	0 B ON MAR 01 *	3 900	1972
1973	5.38 AT 18:10 MST ON JUN 16	3.99 ON JUN 16	0 B ON MAR 01	8 990	1973
1974	27.4 AT 22:30 MST ON APR 19 *	20.2 ON APR 18 *	0.010 ON OCT 12	22 000	1974
1975	2.45B AT 10:30 MST ON APR 18	1.98 ON APR 24	0 ON JUL 30	4 590	1975
1976	---	2.34 B ON APR 06	0 ON AUG 08	4 230	1976
1977	1.10B AT 21:00 MST ON APR 08	0.966 ON MAY 17	0 ON JUN 23	2 870	1977
1978	1.00B AT 14:15 MST ON APR 01	0.852B ON APR 01	0 ON JUL 06	3 170	1978
1979	4.51 AT 16:30 MST ON JUL 29	1.85 ON JUL 30	0.006 ON SEP 16	6 910	1979
1980	2.68B AT 12:25 MST ON APR 10	1.96 ON APR 14	0.001B ON MAR 01	4 350	1980
1981	2.40 AT 15:30 MST ON MAR 28	2.34 B ON MAR 29	0 ON JUL 22	3 420	1981
1982	---	0.963B ON APR 22	0 B ON MAR 01	1 990	1982
1983	1.98 AT 12:13 MST ON JUL 07	1.33 ON JUL 07	0 ON AUG 10	3 750	1983
1984	---	2.13 B ON MAR 30	0 ON JUL 25	3 410	1984
1985	---	2.80 B ON APR 02	0 ON JUL 03	5 410	1985
1986	---	2.02 B ON MAR 31	0.001B ON MAR 06	5 290	1986
1987	4.90B AT 07:50 MST ON APR 09	4.82 B ON APR 09	0 B ON MAR 01	6 420	1987
1988	---	1.33 B ON APR 05	0.007 ON AUG 05	3 460	1988
1989	---	1.45 B ON APR 07	0 B ON MAR 01	4 710	1989
1990	5.26B AT 17:30 MST ON MAR 30	3.98 B ON MAR 30	0 ON SEP 19	5 340	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 480	MEAN

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	0	---	---	---	1935
1936	---	---	0.355	0.043	0.001	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.355	0.043	0.001	0	---	---	---	0	---	---	---	MEAN

LOCATION - LAT 49 14 40 N LONG 113 25 00 W DRAINAGE AREA, 119 km² NATURAL FLOW

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	3.96B ON MAR 02 *	0 ON OCT 01 * 0B ON MAR 23	---	1936
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	0.095	0.002	0	0	0	0	0	---	---	0.012	1962
1963	---	---	0.221	0.027	0	0	0	0	0	0	---	---	0.031	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0.027	1.08	0.013	0.004	0	0	0	0	---	---	0.138	1965
1966	---	---	0.202	0.146	0.005	0	0.004	0	0	0	---	---	0.045	1966
1967	---	---	0.105	0.882	0.050	0.027	0	0	0	0	---	---	0.131	1967
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.298	0	0	0	0	0	0	---	---	0.036	1969
1970	---	---	0.062	0.618	0.008	0.006	0.452	0.002	0	0	---	---	0.143	1970
1971	---	---	0.063	2.39	0.031	0.028	0.013	0	0	0	---	---	0.309	1971
1972	---	---	0.145	0.059	0.003	0	0	0	0	0	---	---	0.026	1972
1973	---	---	0	0.018	0.004	0.336	0.054	0.001	0	0	---	---	0.051	1973
1974	---	---	0	2.83	0.729	0.055	0.009	0	0	0	---	---	0.447	1974
1975	---	---	0	1.19	0.507	0.051	0.005	0	0	0	---	---	0.217	1975
1976	---	---	0.037	0.052	0.017	0.006	0.001	0	0	0	---	---	0.014	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.165	0.024	0.003	0.016	0	0	0	0	---	---	0.026	1978
1979	---	---	0.075	0.020	0	0	0	0	0	0	---	---	0.012	1979
1980	---	---	0.013	0.121	0	0	0	0	0	0	---	---	0.017	1980
MEAN	---	---	0.059	0.518	0.072	0.028	0.028	0	0	0	---	---	0.087	MEAN

LOCATION - LAT 51 39 00 N LONG 112 00 30 W DRAINAGE AREA, 209 km² REGULATED SINCE 1976

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.391 ON APR 24	0B ON MAR 01 *	252	1962
1963	---	0.391B ON MAR 01	0 ON APR 27	662	1963
1964	---	0 ON MAR 01	0 ON MAR 01	0	1964
1965	---	4.02 B ON APR 11	0B ON MAR 01	2 920	1965
1966	---	1.17 B ON MAR 31	0B ON MAR 01	945	1966
1967	---	3.09 B ON APR 10	0B ON MAR 01	2 770	1967
1968	---	0.027B ON MAR 05	0B ON MAR 06	4.41	1968
1969	---	2.04 ON APR 10	0B ON MAR 01	771	1969
1970	---	2.73 ON APR 06	0B ON MAR 01	3 020	1970
1971	15.3 AT 05:00 MST ON APR 08 *	13.9 ON APR 08 *	0B ON MAR 01	6 540	1971
1972	---	0.920B ON MAR 25	0B ON MAR 01	549	1972
1973	2.07 AT 03:20 MST ON JUN 18	1.83 ON JUN 18	0B ON MAR 01	1 080	1973
1974	10.5 AT 18:30 MST ON APR 16	10.1 ON APR 16	0B ON MAR 01	9 470	1974
1975	6.00 AT 15:45 MST ON APR 21	5.78 ON APR 22	0B ON MAR 01	4 600	1975
1976	---	0.212B ON MAR 28	0B ON MAR 01	299	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	---	1.59 B ON MAR 27	0B ON MAR 01	552	1978
1979	---	0.993B ON MAR 13	0B ON MAR 01	253	1979
1980	---	1.89 ON APR 01	0B ON MAR 01	349	1980
				1 840	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	1936
MEAN	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 07 20 N LONG 111 54 20 W DRAINAGE AREA, 1 430 km² NATURAL FLOW

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	19.8E ON APR 14 *	0B ON MAR 01 *	---	1936
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0.008	1.42	0.005	0	0	0	0	0	---	---	0.175	1965
1966	---	---	0.501	0.168	0	0	0	0	0	0	---	---	0.084	1966
1967	---	---	0	0.375	0.316	0.309	0.002	0	0	0.139	---	---	0.141	1967
1968	---	---	0.001	0.004	0	0	0	0	0	0	---	---	0.001	1968
1969	---	---	0	2.12	0.367	0	0	0	0	0	---	---	0.306	1969
1970	---	---	0.030	1.14	0.073	0.136	0.049	0	0	0	---	---	0.176	1970
1971	---	---	0	9.07	4.10	1.17	0.013	0	0	0	---	---	1.77	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0.002	0	0	0	0	---	---	0	1973
1974	---	---	0	0.397	3.71	0.362	0.003	0	0	0	---	---	0.562	1974
1975	---	---	0	0.008	1.39	0.309	0.011	0.001	0	0	---	---	0.216	1975
1976	---	---	0.002	0.103	0	0	0	0	0	0	---	---	0.013	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0.004	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.028	0.631	0.002	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0.796	0	0	0	---	---	0.081	1986
1987	---	---	0	0.001	0	0	0	0	0	0	---	---	0.101	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0.007	0.001	---	---	0.001	1989
									0.003	0	---	---	0	
1990	---	---	0	0	0	0	0	0.069	0.002	0	---	---	0.009	1990
MEAN	---	---	0.021	0.572	0.369	0.085	0.032	0.003	0	0.005	---	---	0.135	MEAN

LOCATION - LAT 51 05 54 N
LONG 111 55 54 W
DRAINAGE AREA, 1 470 km^2
REGULATED

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0 ON MAR 01	0 ON MAR 01 *	0	1964
1965	9.49 B AT 17:30 MST ON APR 09	8.33 ON APR 10	0B ON MAR 01	3 710	1965
1966	5.66 AT 00:30 MST ON MAR 29	4.22 RA ON MAR 30	0B ON MAR 01	1 780	1966
1967	---	2.39 A ON APR 28	0B ON MAR 01	2 990	1967
1968	---	0.014 ON APR 05	0B ON MAR 01	11.1	1968
1969	---	16.8 R ON APR 09	0B ON MAR 01	6 470	1969
1970	---	4.11 ON APR 05	0B ON MAR 01	3 720	1970
1971	19.1 AT 12:00 MST ON APR 22 *	18.9 ON APR 22 *	0B ON MAR 01	37 600	1971
1972	---	0 ON MAR 01	0 ON MAR 01	0	1972
1973	0.091 AT 16:30 MST ON JUN 15	0.037 ON JUN 15	0 ON MAR 01	3.89	1973
1974	6.60 AT 13:30 MST ON MAY 06	6.46 ON MAY 06	0B ON MAR 01	11 900	1974
1975	3.26 AT 11:00 MST ON MAY 21	3.03 ON MAY 21	0B ON MAR 01	4 570	1975
1976	0.940B AT 12:00 MST ON APR 03	0.354B ON APR 03	0B ON MAR 01	273	1976
1977	0 ON MAY	0 ON MAR 01	0 ON MAR 01	0	1977
1978	---	0 ON MAR 01	0 ON MAR 01	0	1978
1979	---	---	0 ON MAR 01	0	1979
1980	---	0 E ON MAR 01	0E ON MAR 01	0	1980
1981	---	0 B ON MAR 01	0B ON MAR 01	0	1981
1982	---	0 B ON MAR 01	0B ON MAR 01	0	1982
1983	0.100 AT 03:15 MST ON MAR 12	0.072 ON MAR 12	0 ON MAR 01	11.9	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	9.57 AT 10:35 MST ON APR 02	4.78 ON APR 03	0B ON MAR 01	1 720	1985
1986	9.87 AT 08:56 MST ON JUL 11	9.08 ON JUL 10	0 ON MAR 01	2 130	1986
1987	0.040 AT 13:50 MST ON APR 01	0.015 ON APR 02	0 ON MAR 01	2.76	1987
1988	0.125 AT 08:43 MST ON SEP 28	0.107 ON SEP 28	0 ON MAR 01	20.7	1988
1989	0.089 AT 01:20 MST ON SEP 05	0.061 ON SEP 05	0B ON MAR 01	10.5	1989
1990	0.451 AT 19:11 MST ON AUG 17	0.311 ON AUG 18	0B ON MAR 01	189	1990
				2 860	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.081	0.493	0.005	0	0	0.105	0.011	0.005	---	---	0.086	1980
1981	---	---	0.045	0.008	0.001	0	0.001	0.002	0	0	---	---	0.007	1981
1982	---	---	0.027	0.261	0.009	0	0.057	0.001	0	0	---	---	0.046	1982
1983	---	---	0	0	0	0	0.024	0	0	0	---	---	0.003	1983
1984	---	---	0.003	0.023	0	0.047	0	0	0.014	0.001	---	---	0.011	1984
1985	---	---	0.573	0.247	0.052	0.019	0	0	0	0	---	---	0.112	1985
1986	---	---	0.056	0.005	0.002	0	0	0	0	0.010	---	---	0.009	1986
1987	---	---	0	0.333	0	0	0	0	0	0	---	---	0.041	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.104	0	0	0	0	0	0	---	---	0.013	1989
1990	---	---	0.025	0.018	0	0	0	0	0	0	---	---	0.005	1990
MEAN	---	---	0.074	0.137	0.006	0.006	0.007	0.010	0.002	0.001	---	---	0.030	MEAN

LOCATION - LAT 51 39 43 N DRAINAGE AREA, 197 km²
LONG 112 05 00 W NATURAL FLOW

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2.50 B ON MAR 31	0B ON MAR 01 *	1 830	1980
1981	---	0.076RB ON MAR 18	0 ON MAY 01	151	1981
1982	1.17 AT 08:34 MST ON APR 14	1.10 ON APR 14	0B ON MAR 01	981	1982
1983	0.387 AT 10:03 MST ON JUL 03	0.250 ON JUL 03	0B ON MAR 01	65.1	1983
1984	0.868 AT 00:21 MST ON JUN 07	0.296 ON JUN 07	0B ON MAR 01	231	1984
1985	---	3.49 B ON MAR 19 *	0B ON MAR 01	2 360	1985
1986	0.172 AT 06:58 MST ON MAR 06	0.120 ON MAR 08	0 ON MAR 01	196	1986
1987	1.92 AT 11:50 MST ON APR 03 *	1.82 ON APR 03	0B ON MAR 01	864	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.394 AT 20:44 MST ON APR 07	0.367 ON APR 07	0B ON MAR 01	271	1989
1990	0.091 AT 06:27 MST ON MAR 25	0.077 ON MAR 25	0 ON MAR 01	112	1990
				642	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.048	1.52	1.04	0.001	0.182	0.020	0.012	0.013	0.019	---	---	0.351	1925
1926	---	---	0.345	0.055	0	0.001	0	0.015	0.060	0.060	---	---	0.067	1926
1927	---	0.003	0.257	3.16	1.65	1.18	0.552	0.520	0.141	0.101	---	---	0.938	1927
1928	---	---	2.44	0.035	0	0.058	0.503	0.013	0.012	0.014	---	---	0.389	1928
1929	---	---	0.751	0.262	0.136	0.091	0.040	0.004	0.014	0.041	---	---	0.168	1929
MEAN	---	0.026	1.06	0.910	0.357	0.302	0.223	0.113	0.048	0.047	---	---	0.383	MEAN

LOCATION - LAT 49 55 30 N DRAINAGE AREA, 411 km²
LONG 110 39 10 W NATURAL FLOW

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	22.3 ON MAR 29 *	0B ON MAR 01 *	7 420	1925
1926	---	2.04 ON MAR 04	0 ON MAR 08	1 420	1926
1927	---	13.1 ON APR 17	0B ON MAR 01	19 900	1927
1928	---	10.6 E ON JUL 01	0 ON APR 05	8 220	1928
1929	---	2.27 ON MAR 28	0B ON MAR 01	3 560	1929
				8 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	2.77	0.124	0.019	0.004	0	0.008	0.015	---	---	---	1912
1913	---	---	---	2.51	0.051	0.007	0.004	0.006	0.002	0.013	---	---	---	1913
1914	---	---	---	0.314	0.033	0.006	0	0	0.008	0.108	---	---	---	1914
1915	---	---	---	0.589	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.55	0.069	0.011	0.003	0.002	0.006	0.045	---	---	---	MEAN

LOCATION - LAT 49 44 10 N DRAINAGE AREA, 205 km²
LONG 110 36 10 W NATURAL FLOW

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.6 E ON APR 03 *	0 ON JUN 25 *	---	1912
1913	---	11.9 ON APR 05	0 ON JUN 10	---	1913
1914	---	1.19 ON MAR 30	0 ON MAY 27	---	1914
1915	---	6.31 ON APR 03	0 ON MAR 13	---	1915
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO. 05AH013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	0.370	0.575	0.007	0	0	---	---	---	1915
1916	---	---	1.30	0.213	0.236	1.18	0.594	0.580	0.120	0.062	---	---	0.535	1916
1917	---	---	---	3.77	0.909	0.221	0.008	0	0	---	---	---	---	1917
1918	---	---	---	1.52	0.172	0.010	---	---	---	---	---	---	---	1918
1919	---	---	---	0.427	0.018	---	---	---	---	---	---	---	---	1919
1920	---	---	---	1.10	0.222	0.080	0.015	---	---	---	---	---	---	1920
1921	---	---	1.23	3.13	0.287	0.007	0.043	0	---	---	---	---	---	1921
1922	---	---	0.460	3.89	0.553	0.013	0.001	---	---	---	---	---	---	1922
1923	---	---	0.195	0.567	0.013	0.185	0.668	0.453	0.003	0.001	---	---	0.261	1923
1924	---	0.001	0.027	0.218	0.013	0.003	0	0	0	0	---	---	0.032	1924
1930	---	1.53	0.790	1.61	0.363	0.025	0.003	0.001	0.008	0.001	---	---	0.348	1930
1931	---	---	0.047	0.045	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.440	---	0.115	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.766	0.561	1.50	0.264	0.191	0.212	0.149	0.019	0.011	---	---	0.294	MEAN

LOCATION - LAT 49 52 30 N DRAINAGE AREA, 315 km^2
LONG 110 38 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO. 05AH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---			
1916	---	5.95 ON JUN 11	0 ON AUG 08 *	---	1915
1917	---	10.8 ON APR 10	0B ON MAR 06	11 300	1916
1918	---	3.17 ON APR 09	0 ON JUL 24	---	1917
1919	---	1.61 ON APR 18	0 ON JUN 09	---	1918
			0B ON MAR 25	---	1919
1920	---	5.72 ON APR 13	0 ON JUN 06	---	1920
1921	---	15.5 ON APR 03 *	0B ON MAR 09	---	1921
1922	---	14.9 ON APR 22	0B ON MAR 01	---	1922
1923	---	12.5 ON AUG 16	0B ON MAR 01	5 520	1923
1924	---	0.923B ON APR 05	0B ON MAR 14	682	1924
1930	---	7.82 ON APR 04	0 ON JUL 29	7 370	1930
1931	---	0.181 ON MAR 22	0B ON MAR 09	---	1931
1935	---	---	0 ON SEP 01	---	1935
1936	---	---	0B ON MAR 01	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 220	MEAN

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0	0	0	0	0.326	2.54	7.16	4.68	6.07	7.44	1.41	0	2.49	1914
1915	0	0	0	2.28	3.03	2.72	3.23	3.50	14.4	15.7	8.10	7.16	5.03	1915
1916	5.68	6.98	0	0	2.12	1.58	2.20	2.14	2.60	6.71	1.67	0.068	2.30	1916
1917	0	0	0	0	1.62	3.07	7.82	5.45	4.25	5.36	11.7	3.19	3.90	1917
1918	5.39	2.97	2.30	0.076	3.69	10.1	18.5	16.1	19.3	10.4	1.37	0	7.55	1918
1920	0	0	0	0	1.53	17.8	24.4	18.4	15.7	2.63	0	0	6.73	1920
1921	0	0	0	0	2.72	32.4	41.0	29.8	26.4	10.6	0.632	0	12.2	1921
1922	0	0	0	0	3.68	35.7	40.1	23.6	16.7	3.77	0	0	10.4	1922
1923	0	0	0	0	13.7	16.7	22.3	28.0	26.6	1.04	0	0	9.08	1923
1924	0	0	0	0.523	30.1	44.1	47.5	34.6	24.9	8.53	0	0	15.9	1924
1925	0	0	0	0	11.4	27.0	37.0	25.3	19.3	0.249	0	0	10.1	1925
1926	0	0	0	0	16.6	40.1	37.9	26.0	19.9	0.180	0	0	11.8	1926
1927	0	0	0	0	4.43	15.4	26.4	26.8	18.9	0.397	0	0	7.75	1927
1928	0	0	0	0	19.4	34.0	21.7	21.6	19.7	0.598	0	0	9.74	1928
1929	0	0	0	2.79	14.7	37.5	49.3	36.5	30.0	18.5	0	0	15.9	1929
1930	0	0	0	9.71	29.0	50.1	51.5	44.2	41.5	2.46	0	0	19.1	1930
MEAN	0.69	0.62	0.14	0.961	9.87	23.2	27.4	21.9	19.3	5.66	1.56	0.651	9.37	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 25 00 W REGULATED

DATA CONTRIBUTED BY - CANADIAN PACIFIC RAILWAY

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	14.5 ON OCT 22	0 ON JAN 01 *	78 500	1914
1915	---	22.8 ON OCT 29	0 ON JAN 01	159 000	1915
1916	---	13.1 ON FEB 18	0 ON FEB 29	72 600	1916
1917	---	21.5B ON NOV 27	0 ON JAN 01	123 000	1917
1918	---	22.9 ON JUL 26	0B ON MAR 24	238 000	1918
1920	---	29.7 ON JUL 04	0 ON JAN 01	213 000	1920
1921	---	45.9 ON JUL 03	0 ON JAN 01	384 000	1921
1922	---	51.8 ON JUN 29	0 ON JAN 01	326 000	1922
1923	---	37.9 ON MAY 31	0 ON JAN 01	286 000	1923
1924	---	48.7 ON JUL 27	0 ON JAN 01	504 000	1924
1925	---	42.5 ON JUL 04	0 ON JAN 01	318 000	1925
1926	---	46.4 ON JUN 12	0 ON JAN 01	372 000	1926
1927	---	27.4 ON AUG 07	0 ON JAN 01	244 000	1927
1928	---	41.3 ON JUN 03	0 ON JAN 01	308 000	1928
1929	---	56.6 ON JUL 04	0 ON JAN 01	501 000	1929
1930	---	58.3 ON JUN 23 *	0 ON JAN 01	603 000	1930
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		296 000	MEAN

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.031	0.096	0.091	0.029	0.012	0.009	0.007	0.005	---	1963
1964	0.004	0.003	0.002	0.005	0.034	0.194	0.046	0.013	0.011	0.009	0.005	0.003	0.027	1964
1965	0.002	0.002	0.002	0.009	0.034	0.122	0.076	0.036	0.027	0.044	0.018	0.009	0.032	1965
1966	0.007	0.005	0.005	0.006	0.049	0.055	0.042	0.015	0.009	0.008	0.006	0.005	0.021	1966
1967	0.004	0.003	0.003	0.003	0.036	0.149	0.038	0.012	0.007	0.006	0.005	0.003	0.022	1967
1968	0.003	0.003	0.003	0.003	0.027	0.081	0.037	0.019	0.014	0.013	0.008	0.006	0.018	1968
1969	0.004	0.004	0.003	0.012	0.074	0.102	0.103	0.018	0.010	0.008	0.006	0.004	0.029	1969
1970	0.003	0.003	0.003	0.003	0.028	0.093	0.040	0.012	0.008	0.006	0.005	0.004	0.017	1970
1971	0.003	0.003	0.002	0.004	0.057	0.148	0.030	0.011	0.008	0.006	0.005	0.002	0.023	1971
1972	0.002	0.002	0.003	0.003	0.053	0.148	0.050	0.021	0.013	0.010	0.006	0.005	0.026	1972
1973	0.005	0.003	0.003	0.004	0.047	0.114	0.041	0.015	0.012	0.009	0.007	0.005	0.022	1973
1974	0.005	0.004	0.003	0.006	0.028	0.178	0.050	0.020	0.012	0.010	0.007	0.005	0.027	1974
1975	0.003	0.003	0.003	0.003	0.027	0.079	0.039	0.024	0.015	0.010	0.007	0.005	0.018	1975
1976	0.004	0.004	0.003	0.007	0.093	0.064	0.031	0.032	0.026	0.017	0.009	0.006	0.025	1976
1977	0.005	0.004	0.003	0.009	0.035	0.031	0.016	0.019	0.020	0.015	0.009	0.006	0.014	1977
1978	0.005	0.004	0.003	0.007	0.052	0.109	0.036	0.018	0.013	0.011	0.007	0.005	0.023	1978
1979	0.003	---	---	---	---	0.052	0.019	0.011	0.007	0.005	0.003	0.003	---	1979
1980	0.003	0.003	0.003	0.018	0.069	0.107	0.025	0.017	0.020	0.020	0.012	0.007	0.025	1980
1981	0.006	0.005	0.004	0.009	0.098	0.131	0.071	0.044	0.016	0.010	0.006	0.005	0.034	1981
1982	---	---	---	---	---	0.104	0.035	0.015	0.010	0.009	0.006	0.005	---	1982
1983	0.004	0.003	0.003	0.006	0.041	0.049	0.046	0.019	0.011	0.008	0.006	0.003	0.017	1983
1984	0.004	0.003	0.003	0.006	0.031	0.060	0.023	0.012	0.010	0.010	0.006	0.004	0.014	1984
1985	0.003	0.001	0.001	0.004	0.046	0.042	0.018	0.025	0.045	0.029	0.017	0.009	0.020	1985
1986	0.006	0.004	0.005	0.010	0.072	0.067	0.036	0.026	0.016	0.027	0.018	0.010	0.025	1986
MEAN	0.004	0.003	0.003	0.007	0.048	0.101	0.043	0.020	0.015	0.013	0.008	0.005	0.023	MEAN

LOCATION - LAT 50 57 33 N LONG 115 10 00 W DRAINAGE AREA, 2.12 km² NATURAL FLOW

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	0.566 AT 01:00 MST ON JUN 30	0.464 ON JUN 30	---	---	1963
1964	0.510 AT 08:30 MST ON JUN 08	0.425 ON JUN 08	0.001 ON MAR 08 *	860	1964
1965	0.394 AT 03:30 MST ON JUN 18	0.309 ON JUN 18	0.001 ON FEB 12	1 010	1965
1966	0.190 AT 17:00 MST ON JUN 07	0.167 ON JUN 07	0.004 ON MAR 15	661	1966
1967	0.224 AT 16:30 MST ON JUN 06	0.190 ON JUN 06	0.002E ON MAR 11	706	1967
1968	0.227 AT 14:10 MST ON JUN 02	0.150 ON JUN 02	0.002 ON FEB 19	573	1968
1969	0.326 AT 20:00 MST ON JUN 29	0.309 ON JUN 29	0.003 ON JAN 31	925	1969
1970	0.323 AT 21:20 MST ON JUN 13	0.261 ON JUN 16	0.003 ON JAN 01	544	1970
1971	0.578 AT 01:30 MST ON JUN 06 *	0.481 ON JUN 05 *	0.001 ON DEC 11	729	1971
1972	0.289 AT 15:30 MST ON JUN 10	0.252 ON JUN 10	0.001 ON JAN 01	832	1972
1973	---	0.170 ON JUN 07	0.003 ON FEB 13	699	1973
1974	0.459 AT 15:20 MST ON JUN 16	0.382 ON JUN 16	0.003 ON JAN 12	862	1974
1975	0.144 AT 16:30 MST ON JUN 21	0.130 ON JUN 21	0.002 ON FEB 04	576	1975
1976	0.184 AT 16:00 MST ON MAY 10	0.136 ON MAY 10	0.003 ON FEB 18	782	1976
1977	0.082 AT 04:30 MST ON MAY 11	0.065 ON MAY 24	0.003 ON FEB 28	449	1977
1978	0.272 AT 16:00 MST ON JUN 04	0.181 ON JUN 05	0.003 ON FEB 13	710	1978
1979	0.204 AT 15:00 MST ON MAY 26	0.139 ON MAY 26	---	---	1979
1980	0.228 AT 17:45 MST ON JUN 09	0.198 ON JUN 09	0.003 ON JAN 01	800	1980
1981	0.403 AT 16:20 MST ON MAY 21	0.271 ON MAY 21	0.002A ON DEC 28	1 070	1981
1982	0.206 AT 14:26 MST ON JUN 12	0.158 ON JUN 12	---	---	1982
1983	0.146 AT 15:47 MST ON MAY 24	0.088 ON MAY 24	0.002 ON JAN 31	522	1983
1984	0.197 AT 16:09 MST ON MAY 30	0.125 ON MAY 30	0.003 ON JAN 01	453	1984
1985	---	0.090E ON SEP 13	0.001 ON FEB 08	633	1985
1986	0.354 AT 16:23 MST ON MAY 26	0.259 ON MAY 27	0.003 ON FEB 15	787	1986
A - MANUAL GAUGE (SEE REFERENCE INDEX)	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		723	MEAN

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO. 07AD007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.009	0.014	0.023	---	---	---	1972
1973	---	---	---	---	---	---	0.010	0.007	0.004	0.008	---	---	---	1973
1974	---	---	---	---	---	0.014	0.011	0.005	0.006	0.003	---	---	---	1974
1975	---	---	---	---	0.013	0.014	0.004	0.001	0.001	0.001	---	---	0.006	1975
1976	---	---	---	---	0.005	0.003	0.003	0.018	0.004	0.003	---	---	0.006	1976
1977	---	---	---	---	0.076	0.038	0.048	0.053	0.046	0.029	---	---	0.048	1977
MEAN	---	---	---	---	0.031	0.017	0.015	0.016	0.013	0.011	---	---	0.020	MEAN

LOCATION - LAT 53 23 26 N, LONG 117 29 11 W DRAINAGE AREA, 2.72 km² NATURAL FLOW DATA CONTRIBUTED BY - HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO. 07AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.082 AT 00:00 MST ON OCT 01	0.071 ON OCT 01	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	0.142 AT 16:00 MST ON JUN 28	0.099 ON JUN 28	0.001 ON JUL 25 *	89.5	1975
1976	0.142 AT 15:10 MST ON AUG 16	0.108 ON AUG 16	0.001 ON MAY 27	96.9	1976
1977	0.309 AT 17:00 MST ON MAY 29 *	0.221 ON MAY 29 *	0.007 ON MAY 01	769	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		318	MEAN

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO. 07AD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.193	0.031	0.070	0.019	---	---	---	1965
1966	---	---	---	---	---	0.074	0.044	0.080	0.033	0.022	---	---	---	1966
1967	---	---	---	---	0.059	0.119	0.020	0.006	0.002	0.002	---	---	0.035	1967
1968	---	---	---	---	0.024	0.011	0.010	0.010	0.005	0.004	---	---	0.011	1968
1969	---	---	---	---	0.028	---	---	---	0.016	---	---	---	---	1969
1970	---	---	0	0.002	0.034	0.027	0.022	0.004	0.001	0.001	---	---	0.015	1970
1971	---	---	---	---	0.027	0.129	0.185	0.010	0.009	0.007	---	---	0.061	1971
1972	---	---	0.001	0.014	0.083	0.085	0.039	0.025	0.029	0.063	---	---	0.054	1972
1973	---	---	---	---	0.110	0.060	0.019	0.014	0.009	0.015	---	---	0.038	1973
1975	---	---	---	---	0.032	0.031	0.010	0.001	0.001	0.001	---	---	0.013	1975
1976	---	---	---	---	0.024	0.009	0.007	0.038	0.006	0.004	---	---	0.015	1976
1977	---	---	---	---	0.137	0.046	0.071	0.084	0.109	0.047	---	---	0.082	1977
MEAN	---	---	0.001	0.008	0.056	0.059	0.056	0.028	0.024	0.017	---	---	0.036	MEAN

LOCATION - LAT 53 24 08 N, LONG 117 30 27 W DRAINAGE AREA, 7.15 km² NATURAL FLOW DATA CONTRIBUTED BY - HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO. 07AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	0.997 AT 14:00 MST ON JUL 08 *	0.654 ON JUL 08	---	---	1965
1966	0.473 AT 14:00 MST ON AUG 05	0.300 ON AUG 28	---	---	1966
1967	0.391 AT 22:00 MST ON JUN 17	0.294 ON JUN 18	0.001E ON SEP 17	549	1967
1968	0.071 AT 08:30 MST ON MAY 10	0.045 ON MAY 09	0.003 ON JUN 21	169	1968
1969	0.949 AT 17:00 MST ON AUG 05	0.702 ON AUG 05 *	---	---	1969
1970	0.232 AT 23:00 MST ON JUN 15	0.150 ON JUN 16	0 E ON OCT 21 *	235	1970
1971	0.816 AT 20:30 MST ON JUL 11	0.646 ON JUL 11	0.004E ON SEP 16	968	1971
1972	0.518 AT 01:30 MST ON JUN 25	0.439 ON JUN 25	0.012 ON JUN 10	858	1972
1973	0.422 AT 17:35 MST ON JUN 24	0.278 ON MAY 27	0.006 ON AUG 15	604	1973
1975	0.337 AT 16:30 MST ON JUN 28	0.238 ON JUN 28	0.001 ON AUG 01	203	1975
1976	0.357 AT 14:50 MST ON AUG 16	0.269 ON AUG 16	0.001 ON JUN 10	232	1976
1977	0.725 AT 17:30 MST ON MAY 29	0.442 ON MAY 29	0.002 ON JUN 30	1 310	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		570	MEAN

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.062	0.114	2.49	6.62	9.78	1.48	0.092	0.182	---	---	2.61	1984
1985	---	---	0.146	1.90	4.59	0.667	0.014	0.003	0.001	0.001	---	---	0.916	1985
1986	---	---	0.055	0.387	0.534	0.046	0.490	0.048	0.005	0.004	---	---	0.197	1986
1987	---	---	0.106	0.842	0.348	0.043	0.013	1.79	1.38	0.220	---	---	0.591	1987
1988	---	---	0.252	0.732	1.36	2.50	5.08	0.972	0.012	0.017	---	---	1.37	1988
1989	---	---	0.230	0.697	2.34	0.777	0.120	0.074	0.087	0.906	---	---	0.655	1989
1990	---	---	0.341	1.82	4.99	5.91	0.540	0.006	0.003	0.003	---	---	1.69	1990
MEAN	---	---	0.170	0.927	2.38	2.37	2.29	0.625	0.226	0.190	---	---	1.15	MEAN

LOCATION - LAT 56 29 12 N
LONG 116 25 58 W
DRAINAGE AREA, 881 km²
NATURAL FLOW

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	18.5 AT 09:30 MST ON JUL 11	18.4 A ON JUL 11	0.009 ON MAR 26	55 200	1984
1985	8.05 AT 17:00 MST ON MAY 06	6.71 ON MAY 06	0 ON AUG 29 *	19 400	1985
1986	2.87 AT 17:30 MST ON MAY 07	1.12 ON JUL 21	0 B ON MAR 01	4 160	1986
1987	2.87 AT 12:00 MST ON AUG 15	2.60 ON AUG 15	0.005 ON JUL 15	12 500	1987
1988	7.75 AT 16:00 MST ON JUL 11	6.90 ON JUL 10	0.008E ON SEP 09	29 000	1988
1989	---	3.00 ON MAY 07	0.016 ON AUG 01	13 900	1989
1990	20.7 AT 12:00 MST ON JUN 14 *	19.7 ON JUN 14 *	0.002 ON SEP 12	35 800	1990
				24 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO. 05BM010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	0.644	0.667	0.494	0.391	0.108	---	---	---	1951
1952	---	---	---	---	---	0.372	0.192	0.466	0.991	0.227	---	---	---	1952
1953	---	---	---	---	0.330	0.612	0.311	0.683	0.823	0.309	---	---	0.509	1953
1954	---	---	---	---	0.905	1.10	0.373	0.455	0.541	0.261	---	---	0.604	1954
1955	---	---	---	---	0.133	0.144	0.705	0.289	0.228	0.150	---	---	0.276	1955
1956	---	---	---	---	0.235	0.766	0.250	0.229	0.236	0.183	---	---	0.315	1956
1957	---	---	---	---	0.465	0.387	0.096	0.042	0.033	0.142	---	---	0.194	1957
1958	---	---	---	---	0.371	0.712	0.827	0.182	0.078	0.027	---	---	0.366	1958
1959	---	---	---	---	0.264	0.844	0.720	0.370	0.972	0.261	---	---	0.571	1959
MEAN	---	---	---	---	0.389	0.620	0.460	0.357	0.477	0.185	---	---	0.405	MEAN

LOCATION - LAT 50 54 30 N
LONG 113 24 30 W
REGULATED

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO. 05BM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	2.69 ON AUG 16	---	---	1951
1952	---	1.93 ON JUN 22	---	---	1952
1953	---	2.83 ON JUN 13	0.011 ON OCT 22	8 090	1953
1954	---	2.80 ON MAY 14	0.017 ON JUL 19	9 600	1954
1955	---	2.27 ON JUL 05	0 ON JUL 17 *	4 380	1955
1956	---	3.00 ON MAY 21	0.057 ON JUL 22	5 000	1956
1957	---	3.23 ON MAY 07 *	0.025 ON JUL 24	3 080	1957
1958	---	1.78 ON JUN 02	0.006 ON OCT 20	5 820	1958
1959	---	1.90 ON MAY 12	0.006 ON OCT 27	9 090	1959
				6 440	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	0.432	0.044	0.019	0.008	0.662	0.300	---	---	0.243	1960
1961	---	---	---	---	0.810	0.192	0.066	0.155	0.082	0.059	---	---	0.228	1961
1962	---	---	---	---	1.26	1.15	0.467	1.54	1.35	0.577	---	---	1.06	1962
1963	---	---	---	---	0.393	0.578	0.233	0.167	0.182	0.107	---	---	0.276	1963
1964	---	---	---	---	0.820	0.766	0.496	0.389	1.18	0.348	---	---	0.663	1964
1965	---	---	---	---	0.618	0.993	0.418	0.615	0.885	0.501	---	---	0.669	1965
1966	---	---	---	---	0.514	0.516	0.357	0.276	0.374	0.242	---	---	0.379	1966
1967	---	---	---	---	0.524	0.284	0.529	0.487	0.448	0.375	---	---	0.442	1967
1968	---	---	---	---	0.639	0.908	0.547	1.29	1.57	0.461	---	---	0.900	1968
1969	---	---	---	---	0.351	0.863	0.348	0.209	0.916	0.338	---	---	0.500	1969
1970	---	---	---	---	0.504	1.00	0.573	0.373	0.943	0.503	---	---	0.647	1970
1971	---	---	---	---	0.423	0.211	0.101	0.143	0.113	0.099	---	---	0.196	1971
1972	---	---	---	---	0.403	0.648	0.644	0.600	0.400	0.201	---	---	0.482	1972
1973	---	---	---	---	0.223	0.432	0.224	0.444	0.597	0.262	---	---	0.362	1973
1974	---	---	---	---	0.639	0.689	0.570	0.707	0.578	0.056	---	---	0.539	1974
1975	---	---	---	---	0.587	1.14	0.379	0.167	0.781	0.171	---	---	0.533	1975
1976	---	---	---	---	0.400	0.657	0.154	0.226	0.629	0.529	0.116	---	0.430	1976
1977	---	---	---	---	0.472	0.491	0.085	0.269	0.692	0.329	---	---	0.387	1977
1978	---	---	---	---	0.315	0.489	0.232	0.597	0.761	0.175	---	---	0.426	1978
1979	---	---	---	---	0.294	0.503	0.346	0.727	0.350	0.035	---	---	0.375	1979
1980	---	---	---	---	0.735	1.25	0.425	0.607	0.849	0.070	---	---	0.651	1980
1981	---	---	---	---	0.794	0.414	2.12	0.391	0.165	0.078	---	---	0.664	1981
1982	---	---	---	---	0.252	0.255	0.185	0.237	0.176	---	---	---	---	1982
1983	---	---	---	---	0.118	0.271	0.261	0.209	0.503	0.360	---	---	0.286	1983
1984	---	---	---	---	0.178	0.473	0.276	0.386	0.297	0.149	0.015	---	0.292	1984
1985	---	---	---	---	0.100	0.178	0.176	0.258	0.649	0.056	0.009	---	0.234	1985
1986	---	---	---	---	0.170	0.134	0.236	0.105	0.397	0.582	0.015	0.001	0.271	1986
1987	---	---	---	---	0.063	0.181	0.251	0.171	0.167	0.068	0.003	---	0.150	1987
1988	---	---	---	---	0.104	0.243	0.216	0.255	0.086	0.044	---	---	0.158	1988
MEAN	---	---	---	---	0.453	0.550	0.380	0.414	0.579	0.253	0.032	0.001	0.444	MEAN

LOCATION - LAT 50 51 30 N
LONG 113 21 05 W
REGULATED

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	2.83 ON SEP 23	0 ON JUL 11 *	3 860	1960
1961	---	1.98 ON MAY 03	0.006 ON MAY 23	3 630	1961
1962	---	2.97 ON SEP 09	0.017 ON OCT 30	16 800	1962
1963	---	1.14 ON JUN 23	0.028 ON OCT 31	4 380	1963
1964	---	2.53 ON JUN 16	0.008 ON MAY 01	10 500	1964
1965	---	2.63 ON JUL 09	0.025 ON OCT 29	10 600	1965
1966	---	2.49 ON JUL 03	0.008 ON OCT 30	6 030	1966
1967	---	1.36 ON MAY 26	0.014A ON OCT 26	7 030	1967
1968	---	2.17 ON SEP 22	0.014E ON MAY 01	14 300	1968
1969	---	2.81 ON JUN 26	0.001B ON OCT 30	7 950	1969
1970	---	2.76 ON JUN 14	0.024 ON OCT 30	10 300	1970
1971	---	1.26 ON MAY 18	0.037A ON OCT 25	3 110	1971
1972	---	1.59 ON AUG 14	0.026 ON MAY 03	7 670	1972
1973	---	3.06 ON AUG 28	0.012 ON OCT 21	5 750	1973
1974	---	1.82 ON AUG 14	0.013 ON OCT 24	8 570	1974
1975	---	2.27 ON JUN 09	0.013 ON OCT 25	8 470	1975
1976	---	2.50 ON OCT 03	0.076 ON JUL 18	6 840	1976
1977	---	1.73 ON AUG 30	0.017E ON OCT 31	6 160	1977
1978	---	1.96 ON AUG 18	0.012 ON OCT 31	6 770	1978
1979	---	1.41 ON AUG 09	0.005E ON OCT 31	5 960	1979
1980	---	3.82 ON MAY 27 *	0.010E ON OCT 31	10 400	1980
1981	---	3.37 ON JUL 15	0.029 ON OCT 22	10 600	1981
1982	---	---	---	---	1982
1983	---	1.42 ON OCT 01	0.013A ON OCT 27	4 550	1983
1984	---	1.74 ON JUL 31	0.027 ON MAY 01	4 640	1984
1985	---	2.02 ON SEP 13	0.013 ON OCT 25	3 720	1985
1986	---	2.20 ON SEP 26	0.003 ON MAY 03	4 300	1986
1987	---	0.588 ON SEP 04	0.002 ON OCT 23	2 380	1987
1988	---	1.22 ON AUG 02	0.007 ON OCT 23	2 510	1988
				7 060	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CALLUM CREEK AT WALDRON'S RANCH - STATION NO. 05AA029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.239	0.364	0.441	0.395	0.116	0.067	0.041	0.042	---	---	0.212	1973
MEAN	---	---	0.239	0.364	0.441	0.395	0.116	0.067	0.041	0.042	---	---	0.212	MEAN

LOCATION - LAT 49 49 37 N
LONG 114 07 56 W
DRAINAGE AREA, 189 km^2
NATURAL FLOW

CALLUM CREEK AT WALDRON'S RANCH - STATION NO. 05AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.35 ON MAY 26 *	0.031 ON SEP 30 *	4 500	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 500	MEAN

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	0.234	0.312	0.207	0.071	0.007	---	1975
1976	0.003	0	0	1.42	0.251	0.040	0.081	0.120	0.061	0.125	0.026	0.001	0.176	1976
1977	0	0	0	0.084	0.062	0.075	0.238	0.042	0.047	0.109	0.042	0.003	0.059	1977
MEAN	0.002	0	0	0.752	0.157	0.058	0.160	0.132	0.140	0.147	0.046	0.004	0.118	MEAN

LOCATION - LAT 57 24 12 N, LONG 111 40 57 W DRAINAGE AREA, 183 km^2, NATURAL FLOW

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	3.71 A ON APR 15 *	0B ON JAN 27 *	5 580	1976
1977	0.816 AT 07:45 MST ON JUN 05 *	0.603 ON JUL 10	0B ON JAN 01	1 850	1977
				3 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMERON CREEK AT WATERTON PARK - STATION NO. 05AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	0.459	0.768	0.784	1.11	4.44	12.7	6.22	1.67	1.67	0.625	0.907	0.504	2.65	1916
1917	0.369	0.347	0.295	0.402	10.0	12.8	4.47	0.961	0.526	0.487	0.472	1.04	2.69	1917
1918	0.806	0.431	0.427	1.87	5.10	7.05	1.78	1.06	0.887	0.725	0.476	0.341	1.75	1918
1919	0.367	0.414	0.441	1.91	6.04	4.08	1.30	0.528	0.300	0.336	0.455	0.335	1.38	1919
1920	0.347	0.379	0.285	---	---	---	---	---	---	---	---	---	---	1920
MEAN	0.470	0.468	0.446	1.32	6.40	9.16	3.44	1.05	0.846	0.543	0.578	0.555	2.12	MEAN

LOCATION - LAT 49 03 06 N, LONG 113 54 57 W DRAINAGE AREA, 78.7 km^2, NATURAL FLOW

CAMERON CREEK AT WATERTON PARK - STATION NO. 05AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	23.4 ON JUN 18	0.028B ON DEC 31 *	83 700	1916
1917	---	26.7A ON JUN 09 *	0.203A ON MAR 17	84 900	1917
1918	---	14.9 ON JUN 10	0.232B ON DEC 24	55 100	1918
1919	---	13.9 ON MAY 27	0.227B ON NOV 28	43 500	1919
1920	---	---	---	---	1920
				66 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	1.37	---	---	---	1966
1967	---	---	---	---	0.812	0.350	0.996	1.17	1.52	0.883	---	---	0.958	1967
1968	---	---	---	---	0.377	1.30	0.695	1.44	1.21	0.720	---	---	0.953	1968
1969	---	---	---	---	0.528	1.10	0.440	0.848	---	---	---	---	---	1969
1970	---	---	---	---	0.427	0.738	0.585	0.568	0.818	0.597	---	---	0.620	1970
1971	---	---	---	---	0.218	0.741	0.332	0.707	0.494	0.848	---	---	0.556	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	0.476	0.846	0.610	0.947	1.01	0.884	---	---	0.772	MEAN

LOCATION - LAT 49 46 30 N, LONG 112 27 40 W REGULATED

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	2.76 ON SEP 24 *	0 ON MAY 01 *	15 200	1968
1969	---	2.42 ON JUN 09	0 ON MAY 04	15 200	1969
1970	---	1.96 ON JUN 25	0 ON MAY 04	---	1970
1971	---	1.96 ON JUN 15	0 ON MAY 01	9 860	1971
1972	---	1.36 ON JUN 11	0 ON MAY 02	8 840	1972
		---	0 ON MAY 18	---	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 300	MEAN

CAMROSE CREEK AT CAMROSE - STATION NO. 05FA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	0.188	0.065	0.014	0.011	0.001	0	---	0	---	1928
1929	0	0	0.010	0.071	0.001	0	0	0	0	0.052	0.025	0	0.013	1929
1930	0	0	0.002	0.006	0	0	0.001	---	0	---	---	---	---	1930
MEAN	0	0	0.006	0.039	0.063	0.022	0.005	0.006	0	0.026	0.025	0	0.013	MEAN

LOCATION - LAT 53 01 00 N, LONG 112 50 00 W DRAINAGE AREA, 496 km^2
NATURAL FLOW

CAMROSE CREEK AT CAMROSE - STATION NO. 05FA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	---	0 ON JUL 11 *	---	1928
1929	---	0.176B ON APR 15 *	0 ON JAN 01	418	1929
1930	---	0.037 ON APR 01	0 ON JAN 01	---	1930
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		418	MEAN

CANADA LAND AND IRRIGATION CO. CANAL NEAR INTAKE - STATION NO. 05BM006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	0	0	2.64	4.94	6.27	6.26	6.27	1.23	---	3.47	1922
1923	---	---	---	0	0.804	0.392	4.17	5.88	4.93	0.712	0	---	2.12	1923
1924	---	---	---	0.094	1.51	3.52	5.22	5.85	5.61	1.56	0	---	2.93	1924
1925	---	---	---	0	0.060	0.384	0.460	0.587	0.544	0.079	0	---	0.265	1925
1926	---	---	---	1.98	5.72	5.64	6.44	7.59	0	0	0	---	3.45	1926
1928	---	---	---	1.34	5.16	4.73	0.505	0.639	5.18	5.21	0	---	2.85	1928
1929	---	---	---	1.38	5.49	0.403	4.85	7.51	7.22	7.15	1.40	---	4.46	1929
1930	---	---	---	5.47	7.21	6.64	7.13	6.87	6.32	---	---	---	---	1930
MEAN	---	---	---	1.28	3.24	3.04	4.21	5.15	4.51	3.00	0.37	---	2.79	MEAN

LOCATION - LAT 50 49 00 N, LONG 113 26 30 W REGULATED

CANADA LAND AND IRRIGATION CO. CANAL NEAR INTAKE - STATION NO. 05BM006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	6.85 ON AUG 22	0 ON APR 01 *	73 100	1922
1923	---	6.74 ON AUG 06	0 ON APR 01	44 800	1923
1924	---	7.05 ON SEP 06	0 ON APR 01	61 800	1924
1925	---	0.883 ON AUG 15	0 ON APR 01	5 580	1925
1926	---	7.90 ON AUG 17	0 ON APR 01	72 700	1926
1928	---	7.79 ON MAY 23	0 ON APR 01	60 000	1928
1929	---	8.52 ON AUG 07 *	0 ON APR 01	94 000	1929
1930	---	8.04 ON JUL 18	---	---	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 900	MEAN

CANADIAN ST. MARY CANAL ABOVE RAYMOND CHUTE - STATION NO. 05AF032

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1989	---	---	---	37.8	52.5	46.7	77.1	66.8	13.8	7.20	---	---	43.3	1989
1990	---	---	---	0.264	24.1	42.2	82.3	54.9	52.2	14.1	---	---	38.7	1990
MEAN	---	---	---	19.0	38.3	44.5	79.7	60.8	33.0	10.7	---	---	41.0	MEAN

LOCATION - LAT 49 24 18 N
LONG 112 37 07 W REGULATED

REMARKS - REPLACES STATION 05AF028 CANADIAN ST. MARY CANAL AT DROP NO. 1

CANADIAN ST. MARY CANAL ABOVE RAYMOND CHUTE - STATION NO. 05AF032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1989	---	80.4 ON JUL 04	0E ON APR 01 *	800 000	1989
1990	---	84.9 ON JUN 28 *	0 ON APR 01	715 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		758 000	MEAN

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.119	11.4	31.4	15.6	20.3	8.37	4.21	---	---	---	1956
1957	---	---	---	0	17.1	35.4	29.7	28.1	19.2	10.4	---	---	---	1957
1958	---	---	---	0.350	8.19	24.1	26.1	28.2	20.1	13.6	---	---	---	1958
1959	---	---	0.046	0.001	3.53	20.1	19.6	31.2	19.4	14.3	---	---	---	1959
1960	---	---	---	0.486	7.27	21.7	41.6	41.4	26.7	19.3	---	---	---	1960
1961	---	---	0.117	0.327	17.0	45.0	39.9	26.2	26.4	9.57	10.3	6.94	21.9	1961
1962	0.104	0.052	0.260	20.9	41.9	47.3	44.9	30.1	19.3	14.1	3.23	---	27.8	1962
1963	---	---	0.003	5.17	36.0	51.1	31.0	30.7	28.8	19.5	---	---	---	1963
1964	---	---	0.004	0.017	8.38	26.2	46.1	46.7	18.9	9.88	---	---	---	1964
1965	---	---	0.050	0.074	5.84	11.7	8.64	26.4	6.96	5.28	---	---	---	1965
1966	---	---	0.003	0	11.8	7.03	13.6	21.4	14.6	9.78	---	---	---	1966
1967	---	---	---	0.021	0.412	6.92	36.1	29.8	34.2	23.0	---	---	---	1967
1968	---	---	---	2.81	19.2	26.0	40.9	32.0	13.5	5.58	---	---	---	1968
1969	---	---	---	0.074	17.0	29.3	20.9	35.4	36.7	8.58	---	---	---	1969
1970	---	---	---	5.66	21.8	35.7	37.7	36.3	22.3	8.46	---	---	---	1970
1971	---	---	---	1.54	14.1	32.2	46.5	42.0	24.7	12.6	---	---	---	1971
1972	---	---	---	0	13.4	12.8	40.6	49.8	29.8	6.19	---	---	---	1972
1973	---	---	---	0	38.2	42.0	55.2	50.3	22.0	7.87	---	---	---	1973
1974	---	---	---	0	13.1	39.6	59.3	38.8	30.1	13.3	---	---	---	1974
1975	---	---	---	0.234	0.136	7.56	37.2	36.7	16.1	8.31	---	---	---	1975
1976	---	---	---	2.40	33.6	48.5	52.0	28.3	20.4	17.7	---	---	---	1976
1977	---	---	---	6.98	42.0	56.4	60.1	46.1	23.3	6.64	---	---	---	1977
1978	---	---	---	0	0.809	9.87	41.8	30.6	6.65	3.98	---	---	---	1978
1979	---	---	---	0	4.91	48.2	61.4	41.6	23.9	16.8	---	---	---	1979
1980	---	---	---	0.417	41.9	33.2	46.9	41.6	31.3	13.6	---	---	---	1980
1981	---	---	---	0.594	26.1	34.3	57.7	30.5	33.9	26.1	---	---	---	1981
1982	---	---	---	14.3	39.5	39.5	53.6	51.4	27.5	6.10	---	---	---	1982
1983	---	---	---	2.51	22.8	51.7	55.9	52.3	45.7	8.46	---	---	---	1983
1984	---	---	---	1.84	35.6	61.8	65.6	59.7	51.7	26.5	---	---	---	1984
1985	---	---	---	0	10.8	59.5	70.8	50.3	41.6	7.28	0	---	30.1	1985
1986	---	---	---	2.75	19.6	64.4	70.3	54.1	27.8	3.01	0	---	30.4	1986
1987	---	---	---	1.38	48.2	66.3	61.1	35.8	20.7	9.50	0	---	30.5	1987
1988	---	---	---	36.6	68.8	67.6	71.1	30.6	25.1	5.30	0	---	38.2	1988
MEAN	0.104	0.052	0.069	3.26	21.2	36.2	44.2	37.4	24.8	11.4	2.26	6.94	29.8	MEAN

LOCATION - LAT 49 26 05 N
LONG 112 41 53 W REGULATED

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	57.5 ON JUN 14	0 ON NOV 01 *	461 000	1961
1962	---	52.4 ON JUN 13	0 ON NOV 07	586 000	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	30.0 ON JUL 25	0 ON APR 01	---	1966
1967	---	54.9 ON JUL 10	0 ON APR 14	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	64.3 ON JUL 28	0E ON APR 01	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	65.1 ON JUN 11	0E ON APR 01	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	56.8 ON JUN 26	0A ON APR 01	---	1980
1981	---	63.4 ON JUL 08	0 ON APR 01	---	1981
1982	---	65.4 ON JUN 29	0E ON APR 01	---	1982
1983	---	62.1 ON AUG 14	0 ON APR 01	---	1983
1984	---	---	---	---	1984
1985	---	75.2 ON JUL 18	0 ON APR 01	635 000	1985
1986	---	81.3 ON JUN 29 *	0 ON APR 01	640 000	1986
1987	---	77.9 ON JUN 17	0 ON APR 01	643 000	1987
1988	---	77.8 ON JUL 13	0 ON APR 01	806 000	1988
				629 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.537	9.00	8.78	6.29	5.64	6.92	1.68	0	---	4.87	1915
1916	---	---	---	0.430	5.98	5.33	7.18	7.19	4.93	0.839	0	---	4.01	1916
1917	---	---	---	0.298	3.38	7.70	11.8	11.4	6.53	4.31	0	---	5.72	1917
1918	---	---	---	0.395	11.1	15.8	16.5	13.0	10.8	4.53	0	---	9.05	1918
1919	---	---	---	1.13	10.8	20.3	16.1	10.6	6.43	2.75	0	---	8.54	1919
1920	---	---	---	0.384	3.37	16.2	22.4	14.9	13.7	13.7	1.98	---	10.9	1920
1921	---	---	---	3.68	10.3	22.7	24.0	16.3	11.3	15.6	0	---	13.0	1921
1922	---	---	---	1.02	11.6	19.7	19.5	14.7	9.25	6.48	0.626	---	10.4	1922
1923	---	---	---	0.825	11.9	19.1	17.4	13.6	16.8	9.52	0.053	---	11.2	1923
1924	---	---	---	0.520	13.9	19.3	22.6	14.2	10.1	5.71	0	---	10.8	1924
1925	---	---	---	0	12.2	22.6	20.1	14.7	11.4	3.64	0	---	10.6	1925
1926	---	---	---	4.99	15.2	15.3	13.1	8.37	11.5	6.52	0	---	9.35	1926
1927	---	---	---	0.582	6.55	6.76	11.2	14.2	12.9	4.92	0	---	7.18	1927
1928	---	---	---	0	9.81	13.6	4.01	9.03	12.0	1.31	0	---	6.22	1928
1929	---	---	---	0	6.89	5.70	13.4	9.66	6.35	5.21	0	---	5.95	1929
1930	---	---	---	1.44	8.72	20.5	19.4	10.7	8.80	4.36	0	---	9.26	1930
1931	---	---	0.304	3.34	17.8	20.3	14.7	12.1	10.7	7.49	2.40	---	11.1	1931
1932	---	---	---	4.50	11.3	14.2	19.1	12.0	9.26	5.95	0	---	9.57	1932
1933	---	---	---	0.633	6.59	22.7	23.1	16.0	11.8	4.69	0	---	10.7	1933
1934	---	---	---	1.69	19.0	14.6	15.3	11.8	8.89	4.85	0	---	9.58	1934
1935	---	---	---	0.443	8.02	20.9	23.2	13.2	7.64	3.87	0	---	9.70	1935
1936	---	---	---	3.54	13.9	20.7	15.0	8.54	4.74	3.16	0.372	---	8.76	1936
1937	---	---	---	2.78	22.8	23.0	22.1	11.0	6.77	0.689	0	---	11.2	1937
1938	---	---	---	6.13	12.3	24.5	21.3	11.0	8.68	2.52	0	---	10.8	1938
1939	---	---	---	5.30	24.0	9.67	13.2	9.76	5.51	2.02	1.01	0.366	8.85	1939
1940	---	---	---	4.90	14.0	25.5	14.7	7.44	8.01	7.61	0	---	10.3	1940
1941	---	---	---	2.75	16.1	14.7	16.7	8.29	9.29	6.38	0	---	9.31	1941
1942	---	---	---	4.29	11.8	9.17	15.1	11.7	9.58	6.58	0	---	8.56	1942
1943	---	---	---	2.11	9.08	22.7	29.6	18.4	10.1	5.80	0	---	12.3	1943
1944	---	---	---	2.76	18.0	22.4	15.4	11.2	7.88	5.46	0.064	---	10.4	1944
1945	---	---	---	2.82	10.7	12.1	18.8	10.0	8.46	5.58	0.915	0.307	8.71	1945
1946	---	---	---	2.63	22.6	18.0	21.0	12.1	11.0	7.68	4.40	---	12.5	1946
1947	---	---	---	0	7.56	14.5	22.2	13.1	10.3	12.9	0	---	10.1	1947
1948	---	---	---	0	3.02	6.40	16.4	13.3	8.65	6.57	0	---	6.84	1948
1949	---	---	---	6.14	16.9	14.7	18.2	9.30	9.52	6.81	0.060	---	10.2	1949
1950	---	---	---	5.08	14.1	23.8	22.3	20.7	9.28	15.6	11.9	---	15.4	1950
1951	---	---	---	0	12.0	19.7	21.9	15.4	2.20	0	0	---	8.96	1951
MEAN	---	---	0.304	2.11	12.0	16.6	17.4	12.0	9.12	5.76	0.643	0.337	9.48	MEAN

LOCATION - LAT 49 04 31 N
LONG 113 12 43 W REGULATED

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	10.5 ON MAY 24	0 ON APR 01 *	103 000	1915
1916	---	10.1 ON MAY 21	0 ON APR 01	84 400	1916
1917	---	12.7 ON JUL 23	0 ON APR 01	120 000	1917
1918	---	19.4 ON JUN 30	0 ON APR 01	191 000	1918
1919	---	22.0 ON JUN 28	0 ON APR 01	180 000	1919
1920	---	24.4 ON JUL 03	0 ON APR 01	229 000	1920
1921	---	27.3 ON JUN 26	0 ON APR 01	275 000	1921
1922	---	24.7 ON JUL 05	0 ON APR 01	220 000	1922
1923	---	20.7 ON MAY 31	0 ON APR 01	236 000	1923
1924	---	26.8 ON JUL 19	0 ON APR 01	229 000	1924
1925	---	24.7 ON JUN 11	0 ON APR 01	224 000	1925
1926	---	19.1 ON JUN 09	0 ON APR 01	197 000	1926
1927	---	15.8E ON AUG 10	0 ON APR 01	151 000	1927
1928	---	15.3 ON JUN 04	0 ON APR 01	131 000	1928
1929	---	17.2 ON JUL 05	0 ON APR 01	125 000	1929
1930	---	26.3 ON JUN 30	0 ON APR 01	195 000	1930
1931	---	21.9 ON AUG 01	0 ON NOV 15	235 000	1931
1932	---	24.6 ON JUN 15	0 ON APR 01	202 000	1932
1933	---	27.5 ON JUN 15	0 ON APR 01	226 000	1933
1934	---	27.0 ON MAY 30	0 ON APR 01	202 000	1934
1935	---	26.3 ON JUN 20	0 ON APR 01	205 000	1935
1936	---	27.5 ON JUN 27	0 ON APR 01	185 000	1936
1937	---	30.9 ON JUL 06	0 ON APR 01	236 000	1937
1938	---	30.0 ON JUN 23	0 ON APR 01	228 000	1938
1939	---	28.6 ON MAY 18	0 ON APR 01	187 000	1939
1940	---	30.3 ON JUN 13	0 ON APR 01	217 000	1940
1941	---	22.2 ON JUL 04	0 ON APR 01	196 000	1941
1942	---	22.2 ON JUL 24	0 ON APR 01	181 000	1942
1943	---	31.1A ON JUN 29 *	0 ON APR 01	259 000	1943
1944	---	24.9 ON JUN 30	0 ON APR 01	220 000	1944
1945	---	25.6 ON JUL 16	0 ON APR 01	184 000	1945
1946	---	26.2 ON MAY 16	0 ON APR 01	263 000	1946
1947	---	26.7 ON JUL 10	0 ON APR 01	214 000	1947
1948	---	22.6 ON JUL 21	0 ON APR 01	144 000	1948
1949	---	26.3 ON MAY 14	0 ON APR 01	216 000	1949
1950	---	28.6 ON JUN 22	0 ON APR 01	324 000	1950
1951	---	27.6 ON MAY 23	0 ON APR 01	189 000	1951
				200 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	8.10	12.6	14.6	10.2	9.37	2.77	---	---	8.25	1918
1919	---	---	---	0	6.86	17.8	15.0	9.10	5.74	1.63	---	---	8.01	1919
1920	---	---	---	0	0.501	11.5	13.8	12.5	11.2	10.5	---	---	8.58	1920
1921	---	---	---	1.91	8.86	19.3	20.6	14.8	10.0	11.3	---	---	12.4	1921
1922	---	---	---	0.392	8.45	16.4	14.1	13.2	7.90	3.86	---	---	9.21	1922
1923	---	---	---	0	8.24	8.91	9.40	9.73	9.57	8.60	---	---	7.80	1923
1924	---	---	---	0	10.6	12.2	19.3	12.9	9.14	5.24	---	---	9.96	1924
1925	---	---	---	0	8.86	16.7	15.1	13.3	10.4	2.90	---	---	9.63	1925
1926	---	---	---	3.69	13.7	13.0	11.5	7.40	9.82	1.17	---	---	8.61	1926
1927	---	---	---	0	4.10	4.19	8.88	10.7	9.62	3.68	---	---	5.90	1927
1928	---	---	---	0	7.57	9.66	3.24	7.03	10.5	0.897	---	---	5.54	1928
1929	---	---	---	0	5.57	1.54	10.4	8.36	5.51	4.60	---	---	5.18	1929
1930	---	---	---	0.292	6.42	17.8	17.9	9.58	6.92	2.62	---	---	8.80	1930
1931	---	---	---	2.71	15.0	17.7	13.5	11.0	9.67	7.62	---	---	11.0	1931
1932	---	---	---	1.08	8.74	11.2	15.9	10.7	8.22	4.73	---	---	8.69	1932
1933	---	---	---	0	3.57	17.7	10.5	13.5	9.29	3.91	---	---	9.50	1933
1934	---	---	---	0.954	16.1	11.8	13.9	10.8	8.68	3.68	---	---	9.46	1934
1935	---	---	---	0	5.60	17.6	19.0	10.9	6.74	3.66	---	---	9.07	1935
1936	---	---	---	0.317	8.10	14.3	13.7	7.06	3.89	2.92	---	---	7.19	1936
1937	---	---	---	2.67	19.1	17.4	19.0	9.53	5.77	0.638	---	---	10.6	1937
1938	---	---	---	4.94	10.2	21.4	17.8	10.2	7.47	2.49	---	---	10.6	1938
1939	---	---	---	3.31	18.6	4.26	10.4	8.81	4.71	1.93	---	---	7.48	1939
1940	---	---	---	0.452	11.9	21.5	13.9	6.38	7.28	7.49	---	---	9.84	1940
1941	---	---	---	1.63	13.2	12.0	14.9	7.55	8.08	4.08	---	---	8.80	1941
1942	---	---	---	2.82	7.43	5.58	12.6	9.00	6.49	5.54	---	---	7.09	1942
1943	---	---	---	1.03	6.11	18.3	21.6	15.6	8.83	5.21	---	---	11.0	1943
1944	---	---	---	2.22	15.6	17.4	13.4	9.71	6.79	4.74	---	---	10.0	1944
1945	---	---	---	2.45	9.29	8.12	15.8	8.52	7.43	5.25	---	---	8.16	1945
1946	---	---	---	1.24	19.8	12.8	17.6	10.9	9.20	4.58	0.330	---	10.9	1946
1947	---	---	---	0	5.58	9.69	20.4	10.4	5.06	6.08	0.015	---	8.19	1947
1948	---	---	---	0	1.36	3.62	13.6	11.6	7.21	4.02	0.001	---	5.95	1948
1949	---	---	---	3.97	11.8	11.7	10.5	11.7	10.0	7.23	0.283	---	10.7	1949
1950	---	---	---	1.09	9.18	20.8	17.8	17.6	13.5	6.88	---	---	12.4	1950
1951	---	---	---	0	2.01	5.37	5.22	13.1	2.33	4.73	---	---	4.71	1951
MEAN	---	---	---	1.15	9.30	13.0	14.7	10.7	8.01	4.62	0.157	---	8.80	MEAN

LOCATION - LAT 49 26 09 N
LONG 112 49 47 W REGULATED

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	16.1 ON JUL 13	0 ON APR 01 *	152 000	1918
1919	---	21.0 ON JUN 24	0 ON APR 01	148 000	1919
1920	---	21.6 ON JUL 03	0 ON APR 01	159 000	1920
1921	---	24.6A ON JUN 28	0 ON APR 01	230 000	1921
1922	---	21.4 ON JUN 20	0 ON APR 01	170 000	1922
1923	---	16.1 ON MAY 31	0 ON APR 01	144 000	1923
1924	---	25.8 ON JUL 20	0 ON APR 01	184 000	1924
1925	---	20.7 ON JUL 18	0 ON APR 01	178 000	1925
1926	---	17.9 ON JUN 10	0 ON APR 01	159 000	1926
1927	---	12.8 ON AUG 11	0 ON APR 01	109 000	1927
1928	---	25.0E ON JUN 05	0 ON APR 01	102 000	1928
1929	---	12.1 ON JUL 10	0 ON APR 01	95 700	1929
1930	---	23.7 ON JUL 01	0 ON APR 01	163 000	1930
1931	---	19.7 ON JUN 24	0.566 ON APR 01	204 000	1931
1932	---	17.4 ON JUL 15	0 ON APR 01	161 000	1932
1933	---	24.7 ON JUN 21	0 ON APR 01	176 000	1933
1934	---	24.3 ON MAY 30	0 ON APR 01	175 000	1934
1935	---	22.7 ON JUL 01	0 ON APR 01	168 000	1935
1936	---	23.0 ON JUN 27	0 ON APR 01	133 000	1936
1937	---	27.0 ON JUL 07	0 ON APR 01	196 000	1937
1938	---	28.2 ON JUN 22 *	0 ON APR 01	197 000	1938
1939	---	27.6 ON MAY 18	0 ON APR 01	138 000	1939
1940	---	25.9 ON JUN 14	0 ON APR 01	182 000	1940
1941	---	20.9 ON JUL 01	0 ON APR 01	163 000	1941
1942	---	21.0 ON JUL 24	0 ON APR 01	131 000	1942
1943	---	25.5 ON JUN 26	0 ON APR 01	203 000	1943
1944	---	22.5 ON JUL 01	0 ON APR 01	185 000	1944
1945	---	21.7 ON JUL 14	0 ON APR 01	151 000	1945
1946	---	23.4 ON MAY 27	0 ON APR 01	202 000	1946
1947	---	25.3 ON JUL 11	0 ON APR 01	151 000	1947
1948	---	19.7 ON JUL 23	0 ON APR 01	110 000	1948
1949	---	21.7 ON JUL 11	0 ON APR 01	198 000	1949
1950	---	26.6 ON JUN 21	0 ON APR 01	229 000	1950
1951	---	20.3 ON AUG 08	0 ON APR 01	87 000	1951
				163 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	0	6.50	16.8	19.7	21.0	14.5	8.80	---	---	---	1952
1953	---	---	---	0	5.67	4.49	19.9	26.3	20.9	10.1	---	---	---	1953
1954	---	---	0	0.228	11.4	23.8	42.4	19.9	9.24	5.72	0.006	---	14.2	1954
1955	---	---	---	0.026	0.623	21.0	13.4	23.4	17.1	10.7	---	---	---	1955
1956	---	---	---	0.007	13.8	32.9	14.2	22.0	9.70	6.82	---	---	---	1956
1957	---	---	---	0	22.5	34.7	31.6	28.7	19.9	10.1	---	---	---	1957
1958	---	---	---	0.003	9.54	23.4	27.1	28.9	45.6	16.6	---	---	---	1958
1959	---	---	0.014	0.007	0.395	17.9	25.5	34.6	18.8	23.8	---	---	---	1959
1960	---	---	---	0.010	0.066	18.5	44.6	49.6	31.2	16.2	---	---	---	1960
1961	---	---	0.004	0	18.5	66.7	40.4	24.8	27.6	9.75	---	---	---	1961
1962	---	---	0.006	4.89	47.5	58.7	44.3	25.9	14.5	8.64	14.8	---	27.5	1962
1963	---	---	0	20.8	49.9	55.9	30.4	33.3	25.3	9.68	---	---	---	1963
1964	---	---	---	0.873	8.86	35.8	50.7	49.0	16.6	4.55	---	---	---	1964
1965	---	---	0.001	0.017	7.72	10.9	6.46	28.9	4.88	0.447	---	---	---	1965
1966	---	---	0.004	0.003	5.74	19.0	16.2	19.4	8.93	14.5	---	---	---	1966
1967	---	---	---	0.006	0.020	0.135	30.7	19.8	37.0	26.1	---	---	---	1967
1968	---	---	---	0.670	31.3	28.7	49.4	27.0	2.81	16.2	---	---	---	1968
1969	---	---	---	0.007	18.4	33.3	23.1	38.7	31.2	4.44	---	---	---	1969
1970	---	---	---	0	30.5	48.3	40.5	35.3	28.3	3.72	---	---	---	1970
1971	---	---	---	0.004	16.2	31.9	50.8	42.9	23.8	10.9	---	---	---	1971
1972	---	---	---	0.013	15.6	13.6	46.2	53.0	24.-	5.11	---	---	---	1972
1973	---	---	---	0	47.0	49.9	54.2	43.0	24.8	8.04	---	---	---	1973
1974	---	---	---	0.612	17.1	40.1	55.8	37.3	33.3	16.1	---	---	---	1974
1975	---	---	---	0.120	0.198	1.99	32.4	33.5	15.4	14.3	---	---	---	1975
1976	---	---	---	2.23	39.0	54.9	57.6	27.5	17.6	13.9	---	---	---	1976
1977	---	---	---	8.29	50.4	54.2	55.5	38.1	16.5	3.18	---	---	---	1977
1978	---	---	---	16.2	5.88	10.3	46.2	24.8	1.25	0.099	---	---	---	1978
1979	---	---	---	0.093	7.37	52.1	60.6	30.7	13.7	39.8	---	---	---	1979
1980	---	---	---	1.11	48.1	36.2	50.9	39.4	27.7	12.1	---	---	---	1980
1981	---	---	---	4.18	28.1	33.7	58.7	30.7	35.4	26.6	---	---	---	1981
1982	---	---	---	3.77	52.4	43.7	52.6	41.4	7.59	8.98	---	---	---	1982
1983	---	---	2.51	40.5	28.9	59.9	61.7	54.3	40.9	7.81	---	---	---	1983
1984	---	---	---	11.6	45.4	66.8	71.7	67.6	53.3	19.7	---	---	---	1984
1985	---	---	---	0	19.8	74.1	78.5	57.8	40.8	5.70	0	---	34.7	1985
1986	---	---	---	7.49	44.9	73.2	65.8	54.3	34.5	9.75	0	---	33.8	1986
1987	---	---	---	2.65	65.4	72.8	62.3	35.7	20.6	11.7	0	---	34.0	1987
1988	---	---	---	37.1	84.0	82.5	76.4	39.0	20.0	0.098	0	---	42.5	1988
1989	---	---	---	50.0	66.7	48.2	80.0	65.4	6.63	9.51	0	---	41.0	1989
1990	---	---	---	3.75	27.2	44.1	85.6	56.5	52.8	12.9	0	---	35.5	1990
MEAN	---	---	0.317	5.57	24.9	38.3	45.5	36.7	22.9	11.4	1.85	---	32.9	MEAN

LOCATION - LAT 49 20 39 N
LONG 113 02 35 W REGULATED

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	47.6 ON JUL 13	0B ON APR 01 *	299 000	1954
1955	---	56.6 ON OCT 12	0B ON APR 01	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	62.3 ON AUG 09	0 ON MAY 09	---	1960
1961	---	---	---	---	1961
1962	---	63.1 ON JUN 19	0 ON APR 23	579 000	1962
1963	---	---	---	---	1963
1964	---	64.0 ON JUL 29	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	52.4 ON SEP 26	0 ON APR 09	---	1967
1968	---	---	---	---	1968
1969	---	49.3 ON JUN 19	0B ON APR 10	---	1969
1970	---	72.8 ON JUN 12	0 ON APR 01	---	1970
1971	---	56.6 ON JUL 15	0 ON APR 09	---	1971
1972	---	57.5 ON JUL 17	0E ON NOV 05	---	1972
1973	---	63.7 ON MAY 26	0 ON APR 01	---	1973
1974	---	62.0 ON AUG 07	0E ON APR 01	---	1974
1975	---	---	---	---	1975
1976	---	63.7 ON JUN 01	0 ON APR 01	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	61.4 ON MAY 15	0A ON APR 01	---	1980
1981	---	63.4 ON JUL 08	0 ON APR 01	---	1981
1982	---	66.3 ON JUN 29	0E ON APR 01	---	1982
1983	---	70.2 ON JUL 11	0 ON OCT 21	---	1983
1984	---	---	---	---	1984
1985	---	80.6 ON JUN 17	0 ON APR 01	731 000	1985
1986	---	81.1 ON JUL 01	0 ON APR 01	713 000	1986
1987	---	83.6 ON JUN 17	0 ON APR 01	718 000	1987
1988	---	87.1A ON APR 22	0 ON APR 01	896 000	1988
1989	---	86.2 ON MAY 05	0 ON APR 01	865 000	1989
1990	---	87.3 ON JUL 29 *	0 ON APR 01	749 000	1990
				694 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANAL CREEK NEAR MANYBERRIES - STATION NO. 05AF009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	2.01	0.029	0	---	---	---	---	---	---	---	1917
1918	---	---	---	0.086	0	0	0	0	0	0	---	---	---	1918
1919	---	---	---	0.257	0.015	0.045	0	0	0.007	0	---	---	---	1919
1920	---	---	0.638	0.284	0.168	0.052	0	0	0	0	---	---	0.143	1920
1921	---	---	0.348	0.265	0.082	0.039	0.046	0.002	0.050	0	---	---	0.104	1921
1922	---	---	0.091	1.15	0.140	0.002	0.373	0.038	0.002	0	---	---	0.222	1922
1923	---	---	0.296	0.100	0.013	0.378	0.142	0.006	0	0	---	---	0.116	1923
1924	---	0.020	0	0.005	0	0.257	0.041	0.088	0	0	---	---	0.049	1924
1925	---	---	0.833	0.548	---	---	---	0.106	0	0	---	---	---	1925
1936	---	---	0.229	0.174	0	0	---	---	---	---	---	---	---	1936
MEAN	---	0.020	0.348	0.488	0.050	0.086	0.086	0.030	0.007	0	---	---	0.127	MEAN

LOCATION - LAT 49 13 50 N, LONG 110 45 00 W
DRAINAGE AREA, 179 km²
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1921

CANAL CREEK NEAR MANYBERRIES - STATION NO. 05AF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.14 ON APR 06 *	0 ON MAY 24 *	---	1917
1918	---	---	0 ON MAY 07	---	1918
1919	---	---	0 ON APR 12	---	1919
1920	---	2.49 ON MAR 21	0 ON MAR 01	3 030	1920
1921	---	5.04 B ON MAR 26	0B ON MAR 09	5 200	1921
1922	---	1.94 ON JUL 08	0B ON MAR 01	4 700	1922
1923	---	3.43 ON JUN 21	0B ON MAR 14	2 460	1923
1924	---	3.40 ON JUN 07	0B ON MAR 01	1 030	1924
1925	---	5.38 ON MAR 22	0B ON MAR 01	---	1925
1936	---	0.906B ON MAR 03	0B ON MAR 01	---	1936
				2 680	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	0.765	0.588	0.410	0.444	---	---	---	1918
1919	---	---	---	---	1.56	0.972	0.537	0.361	0.183	---	---	---	---	1919
1920	---	---	---	---	---	---	1.54	0.590	0.604	0.421	---	---	---	1920
1921	---	---	---	---	---	2.76	1.27	0.490	0.484	0.609	---	---	---	1921
1922	---	---	---	---	2.35	2.71	1.11	0.543	0.313	0.198	---	---	1.21	1922
1923	---	---	---	---	1.61	2.64	1.22	0.704	0.326	0.425	---	---	1.15	1923
1924	---	---	---	---	1.42	2.24	1.13	0.613	0.297	---	---	---	---	1924
1925	---	---	---	---	1.92	2.54	1.40	0.661	0.520	0.333	---	---	1.23	1925
1926	---	---	---	---	0.825	0.979	0.648	0.400	0.778	---	---	---	---	1926
1927	---	---	---	---	0.972	3.37	1.69	0.998	1.45	1.05	---	---	1.58	1927
1928	---	---	---	---	---	2.10	1.91	0.647	0.434	1.12	---	---	---	1928
1929	---	---	---	---	1.88	1.90	0.929	0.402	0.203	0.253	---	---	0.927	1929
1930	---	---	---	---	1.59	1.99	1.08	0.436	0.535	0.277	---	---	0.982	1930
1931	---	---	---	---	1.70	1.16	0.688	0.551	0.645	0.264	---	---	0.834	1931
1932	---	---	---	---	---	1.56	0.804	0.473	0.245	0.315	---	---	---	1932
1933	---	---	---	---	---	2.49	1.29	0.596	0.424	1.05	---	---	---	1933
1934	---	---	---	---	2.83	2.81	0.923	0.442	0.202	0.247	---	---	1.24	1934
1935	---	---	---	---	---	1.68	0.969	0.453	0.401	0.233	---	---	---	1935
1936	---	---	---	---	---	1.91	0.736	0.371	0.219	0.184	---	---	---	1936
1937	---	---	---	---	---	---	0.885	0.462	0.177	0.402	---	---	---	1937
MEAN	---	---	---	---	1.70	2.11	1.08	0.539	0.444	0.460	---	---	1.14	MEAN

LOCATION - LAT 48 47 30 N, LONG 113 37 40 W DRAINAGE AREA, 19.7 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	---	---	---	1918
1919	5.13 ON MAY 28	4.11 ON MAY 28	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	7.99 ON MAY 19	0.147 ON OCT 17	19 200	1922
1923	8.92 AT 14:30 MST ON JUN 01	6.57 ON JUN 01	0.241 ON SEP 29	18 300	1923
1924	4.87 AT 02:00 MST ON JUN 15	3.91 ON JUN 15	---	---	1924
1925	3.85 AT 22:00 MST ON JUN 21	3.60 ON JUN 21	0.278 ON OCT 17	19 500	1925
1926	1.76E ON SEP 01	1.76E ON SEP 01	---	---	1926
1927	7.42 AT 03:00 MST ON JUN 09	6.65 ON JUN 08	0.357 ON MAY 10	25 100	1927
1928	---	---	---	---	1928
1929	9.63 ON MAY 24	7.93 ON MAY 24	0.105 ON OCT 26	14 700	1929
1930	4.84 ON MAY 21	3.48 ON JUN 08	0.178 ON OCT 31	15 600	1930
1931	3.51 AT 01:00 MST ON MAY 17	3.14 ON MAY 15	0.113E ON OCT 31	13 300	1931
1932	---	---	---	---	1932
1933	---	5.66E ON JUN 16	---	---	1933
1934	20.4 E ON JUN 08 *	14.2 E ON JUN 08 *	0.071 ON SEP 28 *	19 700	1934
1935	---	---	---	---	1935
1936	3.09 AT 07:00 MST ON JUN 01	3.03 ON JUN 01	---	---	1936
1937	---	---	---	---	1937
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 200	MEAN

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	13.3	22.2	11.9	4.58	2.83	1.43	2.14	---	---	1916
MEAN	---	---	---	---	13.3	22.2	11.9	4.58	2.83	1.43	2.14	---	---	MEAN

LOCATION - LAT 49 28 20 N, LONG 114 19 00 W DRAINAGE AREA, 311 km² NATURAL FLOW

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1916	---	29.7 ON JUN 21 *	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	8.00	10.1	12.7	8.37	7.23	3.20	---	---	8.27	1962
1963	---	---	---	---	5.92	6.36	5.38	2.92	2.71	2.14	---	---	4.23	1963
1964	---	---	---	---	---	22.1	8.91	4.31	10.6	7.58	---	---	---	1964
1965	---	---	---	---	---	21.3	19.9	7.57	14.2	9.13	---	---	---	1965
1969	---	---	---	---	5.91	6.86	14.8	21.3	5.98	3.97	---	---	9.84	1969
1970	---	---	---	---	10.5	14.7	4.45	2.89	1.83	1.26	---	---	5.91	1970
1971	---	---	---	---	---	---	12.8	3.52	2.34	2.21	---	---	---	1971
1972	---	---	---	---	9.95	20.5	14.0	5.97	---	---	---	---	---	1972
1973	---	---	---	---	14.9	12.4	7.34	4.76	3.95	---	---	---	---	1973
1974	---	---	---	---	8.52	16.7	9.17	4.90	4.83	3.56	---	---	7.92	1974
1975	---	---	---	---	4.15	5.62	5.38	2.98	2.60	1.76	---	---	3.75	1975
1976	---	---	---	---	5.88	5.75	5.23	11.3	4.13	2.47	---	---	5.79	1976
1977	---	---	---	---	11.0	14.9	10.6	10.9	8.81	4.76	---	---	10.1	1977
1978	---	---	---	---	---	---	18.1	8.12	9.98	5.17	---	---	---	1978
1979	---	---	---	---	8.46	7.51	4.99	3.29	2.36	1.85	---	---	4.74	1979
1980	---	---	---	---	5.15	34.6	11.1	7.88	6.12	4.00	---	---	11.4	1980
1981	---	---	---	---	8.62	5.62	14.0	8.94	4.91	3.29	---	---	7.58	1981
1982	---	---	---	---	5.98	11.9	21.4	6.98	5.33	5.23	---	---	9.47	1982
1983	---	---	---	---	7.31	8.32	7.59	3.01	2.14	2.01	---	---	5.06	1983
1984	---	---	---	---	3.52	10.7	4.29	2.70	3.28	4.23	---	---	4.76	1984
1985	---	---	---	---	6.22	7.83	7.62	9.90	10.3	5.27	---	---	7.84	1985
1986	---	---	---	---	9.70	9.34	23.3	8.17	5.44	6.83	---	---	10.5	1986
1987	---	---	---	---	2.71	3.08	6.33	16.9	5.19	2.96	---	---	6.21	1987
1988	---	---	---	---	2.60	5.72	3.40	6.41	3.83	2.95	---	---	4.14	1988
1989	---	---	---	---	6.02	8.47	10.1	17.7	11.7	5.52	---	---	9.92	1989
1990	---	---	---	---	12.8	31.8	---	---	---	---	---	---	---	1990
MEAN	---	---	---	---	7.45	12.6	10.4	7.65	5.82	3.97	---	---	7.23	MEAN

LOCATION - LAT 52 52 04 N LONG 116 35 43 W DRAINAGE AREA, 495 km² NATURAL FLOW

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 05DD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	31.7 AT 22:00 MST ON MAY 19	18.6 ON MAY 20	1.65 ON MAY 06	131 000	1962
1963	17.4 AT 05:00 MST ON MAY 24	13.9 ON MAY 24	1.81 B ON OCT 31	67 300	1963
1964	57.5 AT 04:00 MST ON JUN 19	46.7 ON JUN 19	---	---	1964
1965	64.0 AT 21:00 MST ON MAY 31	51.0 ON MAY 31	---	---	1965
1969	237 AT 03:12 MST ON AUG 05	149 ON AUG 05	2.97 B ON OCT 28	156 000	1969
1970	154 AT 09:40 MST ON JUN 16	95.4 ON JUN 16	0.453B ON OCT 31 *	93 900	1970
1971	--- ---	--- ---	---	---	1971
1972	94.9E ON JUN 25	53.8 E ON JUN 25	---	---	1972
1973	47.9 AT 02:30 MST ON MAY 17	39.4 ON MAY 18	---	---	1973
1974	40.8 AT 06:10 MST ON JUN 17	31.4 ON JUN 16	2.78 E ON OCT 31	126 000	1974
1975	10.1 AT 07:00 MST ON JUL 02	8.44 ON JUL 02	1.08 B ON OCT 31	59 500	1975
1976	42.2 AT 00:00 MST ON AUG 07	25.3 ON AUG 07	1.79 ON OCT 30	92 100	1976
1977	32.8 AT 00:30 MST ON JUN 08	25.2 ON JUN 08	2.30 ON MAY 01	161 000	1977
1978	106 AT 22:20 MST ON JUL 11	55.2 ON JUL 12	---	---	1978
1979	50.0 AT 01:00 MST ON MAY 27	33.6 ON MAY 27	1.50 E ON OCT 29	75 400	1979
1980	278 AT 07:45 MST ON JUN 04 *	219 ON JUN 04 *	3.11 ON MAY 05	181 000	1980
1981	57.0 AT 22:30 MST ON JUL 14	39.5 ON JUL 30	1.16 ON MAY 05	121 000	1981
1982	90.0 AT 16:25 MST ON JUL 05	83.2 ON JUL 05	1.60 B ON MAY 01	151 000	1982
1983	34.9 AT 15:50 MST ON JUN 24	23.9 ON JUN 24	1.46 ON OCT 24	80 500	1983
1984	19.5 AT 10:35 MST ON JUN 15	17.9 ON JUN 15	1.40 B ON OCT 28	75 700	1984
1985	27.1 AT 09:00 MST ON SEP 13	24.1 A ON SEP 13	1.72 B ON MAY 01	125 000	1985
1986	101 AT 02:27 MST ON JUL 18	88.5 ON JUL 18	1.80 E ON MAY 01	167 000	1986
1987	71.2 AT 23:38 MST ON AUG 01	50.1 ON AUG 02	1.91 ON MAY 05	98 800	1987
1988	48.3 AT 04:22 MST ON JUN 08	30.1 ON JUN 08	1.42 ON MAY 05	65 800	1988
1989	149 AT 22:45 MST ON AUG 16	74.7 ON AUG 17	3.91 A ON OCT 28	158 000	1989
1990	---	---	---	---	1990
				115 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	---	---	---	---	---	---	---	11.8	17.5	---	1942
1943	18.9	16.2	16.4	---	7.96	---	0.802	0.807	3.71	9.47	13.6	16.5	---	1943
1944	14.3	16.2	17.3	8.57	3.31	0.727	0.369	0.362	0.784	3.39	13.9	15.1	7.83	1944
1945	15.2	13.5	12.3	9.47	2.49	0.572	0.654	0.734	0.761	3.62	8.17	13.0	6.67	1945
1946	15.9	17.9	15.5	15.2	3.34	0.830	0.599	1.32	1.89	7.89	12.9	12.9	8.78	1946
1947	15.6	16.0	14.4	12.4	3.36	2.60	2.22	2.28	1.82	2.10	11.2	13.0	8.04	1947
1948	16.7	20.5	19.2	15.7	6.37	2.59	2.13	20.3	11.3	11.6	14.3	16.4	13.7	1948
1949	17.0	18.0	14.2	6.80	6.28	5.11	6.65	7.87	5.78	7.86	11.0	12.4	9.89	1949
1950	12.3	4.62	6.90	2.16	3.36	2.03	0.940	2.59	9.21	15.2	18.2	18.4	8.01	1950
1951	18.4	10.4	6.73	3.47	4.95	4.45	4.32	9.44	8.37	12.1	17.8	14.7	9.52	1951
1952	12.2	7.43	11.0	14.1	10.4	0.940	1.67	7.10	8.86	8.66	11.2	14.4	9.00	1952
1953	16.5	17.9	10.1	10.3	14.4	2.66	7.78	8.95	8.19	8.71	15.3	16.0	11.4	1953
1954	16.1	15.0	9.94	16.1	12.8	3.52	1.94	10.2	15.0	10.1	9.35	14.3	11.2	1954
1955	17.3	17.6	18.3	18.0	11.8	2.33	0.755	0.451	3.15	4.73	7.56	16.6	9.85	1955
1956	13.7	14.2	14.9	13.2	4.23	0.430	0.283	0.283	4.07	17.3	11.3	17.3	9.52	1956
1957	13.9	18.6	17.5	7.55	0.383	0.472	0.283	0.283	0.708	7.74	9.83	11.0	7.29	1957
1958	16.4	19.0	12.0	4.92	6.89	1.83	2.15	1.26	1.29	11.2	13.2	6.83	8.03	1958
1959	24.3	8.45	12.6	13.0	3.99	0.855	0.754	2.50	0.637	0.987	8.25	12.5	7.41	1959
1960	11.5	11.4	3.68	5.30	8.62	6.24	1.09	7.90	3.68	7.02	11.5	10.9	7.39	1960
1961	6.38	11.9	8.37	14.6	8.73	1.72	1.64	9.93	6.30	8.00	12.4	18.6	8.98	1961
1962	17.5	9.23	19.0	19.3	6.89	4.57	2.19	4.24	11.4	2.55	3.19	8.97	9.07	1962
1963	9.27	6.57	8.23	3.12	4.90	2.24	0.426	1.52	13.5	21.4	17.3	9.95	8.23	1963
1964	9.49	14.2	17.4	8.19	4.16	1.89	0.498	3.98	5.38	5.17	5.51	13.2	7.41	1964
1965	8.96	3.25	1.25	6.73	5.69	18.6	26.8	10.5	10.1	8.02	9.86	14.2	10.4	1965
1966	20.6	13.2	13.9	6.71	2.54	5.80	8.99	6.43	8.24	6.47	12.4	12.1	9.76	1966
1967	16.3	10.7	10.9	12.9	14.3	3.64	2.56	10.4	12.0	7.74	7.85	11.6	10.1	1967
1968	16.0	18.7	9.24	0.618	0.585	1.79	0.457	1.02	14.0	11.5	1.83	5.62	6.74	1968
1969	13.2	8.73	4.49	1.08	0.443	18.4	22.5	6.39	12.0	4.97	4.44	8.82	8.79	1969
1970	9.17	9.31	5.37	7.81	4.67	2.64	14.4	7.22	8.05	10.5	12.0	10.4	8.47	1970
1971	6.22	1.77	8.05	1.64	1.01	0.737	0.754	5.73	9.20	15.3	9.27	9.28	5.70	1971
1972	11.9	5.43	2.33	3.08	2.26	11.6	24.5	11.5	10.6	7.30	1.97	13.4	9.03	1972
1973	15.9	13.5	4.01	2.43	1.08	1.73	18.5	8.29	5.63	6.04	9.48	7.93	8.27	1973
1974	9.18	6.25	9.16	6.26	1.10	15.6	27.6	10.8	5.35	8.94	5.39	7.37	9.46	1974
1975	18.1	13.2	8.25	11.2	11.5	1.56	1.74	0.765	0.736	0.484	6.09	7.14	6.69	1975
1976	6.72	6.56	11.1	10.9	2.63	2.28	1.76	16.9	10.0	6.28	9.62	8.39	7.77	1976
1977	12.1	6.92	1.88	3.95	7.59	1.22	12.2	3.43	7.09	4.09	0.859	18.2	6.65	1977
1978	18.8	20.8	13.0	3.10	2.85	1.05	0.971	5.34	2.14	2.27	7.69	14.3	7.64	1978
1979	13.5	13.2	9.43	13.1	6.37	0.810	2.20	13.9	11.0	5.74	5.40	8.41	8.56	1979
1980	9.64	7.98	5.32	2.74	0.846	12.6	2.74	9.48	2.89	0.528	4.28	9.73	5.72	1980
1981	8.87	11.8	14.0	12.6	12.2	15.2	12.5	19.1	3.21	7.07	12.5	15.6	12.1	1981
1982	12.5	7.54	7.57	9.70	4.94	2.41	7.96	3.85	1.05	2.35	9.89	11.8	6.81	1982
1983	11.3	11.5	8.49	7.24	3.81	0.798	1.90	7.86	10.3	3.90	9.67	10.2	6.97	1983
1984	8.19	8.92	6.73	6.40	5.39	2.35	5.67	9.01	16.4	9.73	6.05	5.08	7.48	1984
1985	2.99	9.92	8.23	0.361	0.278	4.19	15.3	13.2	6.87	0.458	3.77	6.84	6.02	1985
1986	6.71	6.20	7.21	7.20	2.63	16.4	10.7	2.16	2.72	0.979	4.96	13.6	6.78	1986
1987	15.6	15.8	12.7	10.4	9.85	2.60	2.93	0.320	0.425	6.08	9.44	11.6	9.10	1987
1988	10.0	10.1	10.4	10.2	8.20	1.92	3.44	0.679	0.381	6.42	4.38	2.92	5.68	1988
1989	6.69	12.1	12.2	13.5	9.72	0.776	0.344	1.18	6.86	6.67	8.22	11.8	7.46	1989
1990	13.7	15.4	17.8	6.89	7.46	24.9	10.7	5.48	9.08	11.3	12.2	11.4	12.2	1990
MEAN	13.2	11.9	10.6	8.54	5.61	4.78	5.99	6.13	6.50	7.25	9.29	12.0	8.43	MEAN

LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

REGULATED SINCE 1942

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	21.2 ON JAN 29 19.8 ON FEB 22	0.255 ON MAY 29 0.170 ON APR 09	--- 248 000	1944
1945	---	18.5 ON JAN 20	0.227 ON JUN 01	210 000	1945
1946	---	19.4 ON FEB 11	0.368 ON OCT 13	277 000	1946
1947	---	18.7 ON FEB 01	0.368 ON OCT 02	254 000	1947
1948	---	26.7 ON AUG 09	0.368 ON MAY 30	432 000	1948
1949	---	20.5 ON JAN 24	0.227 ON APR 10	312 000	1949
1950	---	20.2 ON NOV 16	0.227 ON FEB 11	253 000	1950
1951	---	20.3 ON OCT 25	0.085 ON APR 29	300 000	1951
1952	---	19.8 ON APR 21	0.283 ON FEB 24	295 000	1952
1953	---	19.8 ON JAN 13	0.425 ON APR 05	358 000	1953
1954	---	45.0 ON AUG 28 *	0.425 ON AUG 08	352 000	1954
1955	---	21.0 ON DEC 03	0.283 ON MAY 23	310 000	1955
1956	---	20.8 ON SEP 25	0.283 ON MAY 06	293 000	1956
1957	---	22.4 ON DEC 31	0.283 ON APR 16	230 000	1957
1958	---	30.3 ON NOV 16	0.142 ON JUL 05	253 000	1958
1959	---	34.3 ON JAN 06	0.283 ON MAY 29	234 000	1959
1960	---	24.5 ON DEC 20	0.425 ON JAN 24	234 000	1960
1961	---	30.9 ON DEC 18	0.425 ON JAN 01	283 000	1961
1962	---	28.6 ON MAR 21	0.283 ON JUL 15	286 000	1962
1963	---	34.0 ON OCT 16	0.283 ON DEC 25	259 000	1963
1964	---	34.8 ON DEC 21	0.283 ON JAN 05	234 000	1964
1965	---	40.2 ON JUL 08	0.425 ON JAN 17	327 000	1965
1966	---	33.4 ON JAN 19	0.283 ON JUN 14	308 000	1966
1967	---	30.6 ON MAY 01	0.283 ON MAY 23	318 000	1967
1968	---	37.1 ON SEP 11	0.142 ON NOV 26	213 000	1968
1969	---	36.5 ON JUL 12	0.425 ON JAN 01	277 000	1969
1970	---	34.8 ON JUL 21	0.425 ON JAN 24	267 000	1970
1971	---	37.4 ON SEP 17	0.283 ON MAY 08	180 000	1971
1972	---	37.4 ON JUL 10	0.425 ON JAN 15	285 000	1972
1973	---	35.1 ON JUL 01	0.623 ON FEB 04	261 000	1973
1974	---	37.1 ON JUN 25	0.651 ON JAN 01	298 000	1974
1975	---	32.6 ON JAN 11	0 ON OCT 22 *	211 000	1975
1976	---	36.2 ON AUG 06	0.736 ON JAN 31	246 000	1976
1977	42.2 AT 16:00 MST ON AUG 02	26.3 ON DEC 08	0 E ON OCT 19	210 000	1977
1978	42.5 AT 14:30 MST ON DEC 11 *	27.8 ON FEB 02	0 ON SEP 06	241 000	1978
1979	---	22.1 ON AUG 01	0.198 ON OCT 18	270 000	1979
1980	---	29.8 ON JUN 22	0.142 ON JAN 03	181 000	1980
1981	---	31.1 ON JUL 15	0.471 ON SEP 26	301 000	1981
1982	40.8 AT 10:30 MST ON MAY 04	25.2 ON JAN 21	0.297 ON JUN 03	215 000	1982
1983	---	25.0 ON AUG 25	0.057E ON OCT 19	220 000	1983
1984	---	23.4 ON SEP 12	0.003 ON OCT 05	237 000	1984
1985	---	25.5 ON JUN 28	0.085B ON JAN 03	190 000	1985
1986	---	28.2 ON JUN 06	0.028 ON JUN 18	214 000	1986
1987	---	21.3 ON FEB 11	0.085 ON SEP 19	256 000	1987
1988	---	23.5 ON MAY 23	0.028 ON SEP 07	179 000	1988
1989	---	19.0 ON APR 05	0.340 ON MAY 13	235 000	1989
1990	---	27.9 ON JUN 28	0.311 ON APR 07	383 000	1990
				266 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	6.84	4.86	3.42	---	---	---	1973
1974	---	---	---	---	5.06	33.5	17.7	9.08	4.57	2.94	---	---	12.1	1974
1975	---	---	---	---	3.89	11.9	11.4	7.54	4.54	2.88	---	---	7.01	1975
1976	---	---	---	---	11.8	---	---	12.8	7.73	3.76	---	---	---	1976
1977	---	---	---	---	7.29	14.9	7.62	7.41	4.88	3.21	---	---	7.53	1977
1978	---	---	---	---	5.99	22.2	14.3	7.09	6.03	4.01	---	---	9.90	1978
1979	---	---	---	---	6.78	16.0	10.6	5.62	3.83	2.84	---	---	7.58	1979
1980	---	---	---	---	13.2	21.2	8.21	5.64	5.09	3.64	---	---	9.45	1980
1981	---	---	---	---	16.1	18.9	21.1	11.5	5.53	3.39	---	---	12.8	1981
1982	---	---	---	---	5.50	23.2	12.0	5.41	4.43	3.28	---	---	8.92	1982
1983	---	---	---	---	7.58	12.8	12.5	5.40	3.53	2.47	---	---	7.37	1983
1984	---	---	---	---	3.60	15.0	8.72	5.93	4.51	3.06	---	---	6.77	1984
1985	---	---	---	---	7.84	10.9	6.95	6.02	6.13	3.52	---	---	6.88	1985
1986	---	---	---	---	15.2	26.2	14.2	8.77	4.70	4.32	---	---	12.1	1986
1987	---	---	---	---	8.36	11.1	8.32	6.71	4.16	2.81	---	---	6.89	1987
1988	---	---	---	---	8.15	15.8	10.2	8.98	4.47	3.82	---	---	8.56	1988
1989	---	---	---	---	5.78	16.0	9.43	12.0	6.16	4.16	---	---	9.22	1989
1990	---	---	---	---	10.9	32.9	19.1	7.50	4.28	3.16	---	---	12.9	1990
MEAN	---	---	---	---	8.41	18.9	12.0	7.76	5.08	3.37	---	---	9.12	MEAN

LOCATION - LAT 51 17 15 N
LONG 115 32 00 W
DRAINAGE AREA, 454 km²
NATURAL FLOW

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO. 05BD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	106 AT 24:00 MST ON JUN 16 *	77.0 ON JUN 17 *	2.51A ON OCT 31	192 000	1974
1975	19.6 AT 00:30 MST ON JUL 05	17.4 ON JUN 25	1.70E ON MAY 01	112 000	1975
1976	34.0 ON JUL 01	---	---	---	1976
1977	29.9 AT 23:00 MST ON JUN 07	34.5 ON JUN 08	2.56 ON OCT 31	120 000	1977
1978	51.3 AT 21:30 MST ON JUN 05	39.4 ON JUN 06	2.92 ON OCT 30	157 000	1978
1979	39.1 AT 23:00 MST ON MAY 26	28.0 ON MAY 27	2.31 ON OCT 31	121 000	1979
1980	39.2 AT 00:50 MST ON JUN 17	33.0 ON JUN 17	2.90 ON OCT 23	150 000	1980
1981	71.4 AT 03:10 MST ON MAY 26	61.8 ON MAY 26	2.70E ON OCT 27	203 000	1981
1982	42.4 AT 00:00 MST ON JUN 15	26.4 ON JUN 16	1.90E ON MAY 01	142 000	1982
1983	38.5 AT 23:00 MST ON MAY 29	27.2 ON MAY 29	2.03 ON OCT 30	117 000	1983
1984	43.4 AT 20:15 MST ON JUN 29	34.3 ON JUN 29	1.54B ON OCT 31 *	108 000	1984
1985	24.6 AT 03:40 MST ON MAY 25	21.5 ON MAY 25	1.99 ON MAY 01	109 000	1985
1986	99.2 AT 22:00 MST ON MAY 28	74.4 ON MAY 28	2.45E ON MAY 01	192 000	1986
1987	27.5 AT 21:35 MST ON JUN 16	20.3 ON JUN 16	2.38E ON OCT 27	110 000	1987
1988	73.3 AT 01:23 MST ON JUN 08	45.6 ON JUN 08	3.06 ON MAY 07	136 000	1988
1989	30.6 AT 23:19 MST ON AUG 19	26.0 ON JUN 15	3.48 ON OCT 31	147 000	1989
1990	79.6 AT 21:19 MST ON JUN 01	62.5 ON JUN 01	2.30E ON MAY 01	205 000	1990
				145 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE RIVER NEAR BANFF - STATION NO. 05BD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	11.6	6.39	---	---	---	1911
1912	---	2.41	---	1.89	8.54	---	9.58	22.4	8.19	7.87	8.22	8.89	---	1912
1913	4.69	3.98	5.22	9.69	7.33	24.9	11.8	16.5	9.91	5.66	10.7	18.0	10.7	1913
1914	6.15	2.60	2.78	2.56	3.47	23.2	17.7	4.87	2.10	5.82	6.36	4.47	7.02	1914
1915	4.51	7.54	10.7	6.12	1.62	23.9	40.9	21.6	6.66	5.71	6.74	4.71	11.8	1915
1916	7.72	9.81	11.0	6.90	1.61	12.0	21.1	17.1	12.1	7.03	13.8	16.4	11.4	1916
1917	6.03	7.04	4.00	3.15	3.00	27.2	22.3	9.73	7.47	5.88	4.90	11.5	9.42	1917
1918	12.1	6.70	3.26	3.00	2.84	14.3	14.4	9.78	6.74	4.79	5.09	11.7	8.07	1918
1919	11.8	6.65	3.46	3.73	2.27	7.32	10.8	15.3	6.92	5.70	8.25	7.44	7.49	1919
1920	7.25	5.98	3.85	2.88	2.39	2.77	41.5	10.2	4.90	4.49	6.85	6.48	8.35	1920
1921	9.28	5.26	4.84	4.73	2.66	21.0	15.7	8.38	4.93	2.99	3.86	6.05	7.48	1921
1922	4.73	5.09	5.14	4.67	4.84	17.4	11.3	10.4	6.01	2.69	5.82	8.78	7.41	1922
1923	6.88	5.14	4.05	3.95	4.00	12.3	19.6	12.5	5.02	4.47	2.57	5.98	8.88	1923
1924	7.46	7.75	8.27	7.82	5.00	13.5	23.3	17.1	6.21	4.58	4.08	6.22	9.29	1924
1925	6.49	6.65	6.77	7.36	6.04	17.0	11.8	13.4	8.78	6.88	5.10	4.09	8.36	1925
1926	7.49	8.74	8.32	5.85	1.93	1.43	8.24	6.15	13.2	6.36	6.53	6.07	6.68	1926
1927	6.18	8.28	8.03	6.60	3.31	17.7	19.4	14.0	11.9	5.95	6.17	6.49	9.50	1927
1928	9.23	9.38	8.10	5.65	3.70	30.8	28.5	9.26	5.46	3.74	3.89	4.96	10.3	1928
1929	6.71	7.38	7.49	4.82	3.51	10.5	9.99	6.03	3.65	7.72	13.5	10.3	7.63	1929
1930	4.32	1.58	1.92	2.34	2.24	20.5	19.6	9.27	6.25	2.79	4.44	9.99	7.13	1930
1931	12.1	7.64	3.34	2.20	1.36	5.40	14.3	6.54	5.51	2.20	4.36	7.14	6.01	1931
1932	6.70	8.91	6.87	3.69	2.57	37.6	12.2	9.85	6.18	3.54	3.45	4.68	8.81	1932
1933	3.08	5.30	6.69	10.6	5.58	19.0	17.9	8.69	7.22	4.39	2.82	3.05	7.86	1933
1934	3.06	2.77	5.44	12.4	16.5	10.2	9.70	5.99	4.77	4.33	3.10	2.44	6.75	1934
1935	7.05	2.27	7.60	10.6	2.82	12.1	20.1	11.2	5.99	3.14	4.36	10.4	8.19	1935
1936	4.91	7.02	4.75	1.58	1.38	5.72	9.44	4.69	4.19	3.37	2.05	3.91	4.41	1936
1937	10.3	11.8	2.46	1.64	2.87	5.69	10.2	6.73	4.68	4.69	2.55	5.39	5.72	1937
1938	5.80	7.12	4.30	2.77	3.68	20.1	14.5	6.79	7.14	4.11	4.98	8.76	8.15	1938
1939	4.69	6.06	5.01	2.04	1.73	2.62	14.7	6.40	5.34	2.97	3.86	3.16	4.89	1939
1940	10.6	6.90	5.64	5.56	3.52	5.59	10.3	6.27	6.69	5.44	3.72	2.24	6.04	1940
1941	1.72	1.74	1.68	1.25	0.025	0.059	0.135	0.129	0.111	---	---	---	---	1941
MEAN	6.89	6.18	5.55	5.00	3.74	15.6	16.4	10.2	6.67	4.86	5.59	7.23	7.99	MEAN

LOCATION - LAT 51 13 40 N
LONG 115 31 00 W
DRAINAGE AREA, 664 km^2
NATURAL FLOW

CASCADE RIVER NEAR BANFF - STATION NO. 05BD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON AUG 18	0 ON JUN 01 *	---	1912
1913	---	35.1 ON JUN 11	0.085 ON MAY 27	338 000	1913
1914	---	39.6 ON JUN 05	0.074 ON MAY 01	221 000	1914
1915	---	73.9 ON JUN 28 *	0.156 ON MAY 23	371 000	1915
1916	---	26.6 ON JUN 21	1.36 ON MAY 10	360 000	1916
1917	---	60.9 ON JUN 10	2.55 ON MAY 11	297 000	1917
1918	---	31.4 ON JUN 16	2.52 ON MAY 08	254 000	1918
1919	---	44.2 ON AUG 06	1.78 ON MAY 03	236 000	1919
1920	---	59.7 ON JUL 16	2.32 ON APR 30	264 000	1920
1921	---	38.5 ON JUN 27	2.38 ON MAY 01	236 000	1921
1922	---	29.2 ON JUN 05	2.52 ON OCT 09	234 000	1922
1923	---	69.4 ON JUN 14	0.453 ON NOV 13	280 000	1923
1924	---	48.7 ON JUL 02	0.906 ON FEB 10	294 000	1924
1925	---	35.4 ON JUN 21	4.05 E ON DEC 03	264 000	1925
1926	---	24.3 ON SEP 02	0.527 ON JUN 06	211 000	1926
1927	---	42.5 ON JUN 25	3.11 ON MAY 01	300 000	1927
1928	---	62.3 ON JUN 15	1.51 ON APR 27	326 000	1928
1929	---	18.9 ON JUN 16	1.36 ON SEP 29	241 000	1929
1930	---	38.2 ON JUN 29	1.29 B ON MAR 12	225 000	1930
1931	---	21.8 ON JUL 07	1.21 ON MAY 20	190 000	1931
1932	---	44.5 ON JUN 12	1.08 ON FEB 28	279 000	1932
1933	---	45.3 ON JUN 17	1.61 B ON DEC 08	248 000	1933
1934	---	25.1 ON MAY 04	1.98 E ON DEC 21	213 000	1934
1935	---	26.6 ON JUN 19	1.78 ON FEB 03	258 000	1935
1936	---	13.1 ON JUL 01	1.19 ON MAY 31	140 000	1936
1937	---	17.6 E ON JUL 19	1.27 ON APR 18	100 000	1937
1938	39.4 AT 20:00 MST ON JUN 24 *	36.5 ON JUN 22	1.81 ON MAY 15	257 000	1938
1939	35.7 AT 12:00 MST ON JUL 01	32.8 ON JUL 02	1.25 ON APR 23	154 000	1939
1940	---	11.7 E ON JAN 28	1.50 ON DEC 25	191 000	1940
1941	---	2.10 ON JAN 01	0.025E ON APR 26	---	1941
				252 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO. 05AA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	31.3	68.9	38.3	10.2	7.93	4.11	5.43	---	---	1916
1944	---	---	---	---	---	17.1	7.76	4.48	3.88	3.39	2.81	1.94	---	1944
1945	1.46	---	---	---	---	---	---	---	---	---	---	---	---	1945
MEAN	1.46	---	---	---	31.3	43.0	23.0	7.34	5.91	3.75	4.12	1.94	---	MEAN

LOCATION - LAT 49 30 00 N, LONG 114 16 20 W
DRAINAGE AREA, 757 km^2
NATURAL FLOW

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO. 05AA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	106 ON JUN 21 *	---	---	1916
1944	---	41.9 ON MAY 20	---	---	1944
1945	---	---	---	---	1945
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.66	3.92	32.5	55.3	19.9	4.34	2.26	2.02	---	---	15.2	1967
1968	---	---	2.90	3.39	26.3	35.3	12.3	4.45	6.42	8.14	---	---	12.4	1968
1969	---	---	1.77	12.0	30.0	34.7	13.6	3.72	3.12	2.36	---	---	12.6	1969
1970	---	---	0.757	1.79	32.3	50.2	8.73	2.93	2.58	2.49	---	---	12.6	1970
1971	---	---	1.88	6.05	38.8	35.7	13.8	4.31	4.70	2.78	---	---	13.2	1971
1972	---	---	3.51	6.20	41.9	54.0	20.4	7.53	4.15	4.51	---	---	17.7	1972
1973	---	---	1.30	2.64	21.8	21.4	6.46	2.45	1.97	1.83	---	---	7.47	1973
1974	---	---	2.10	7.97	27.9	60.3	19.3	5.76	2.99	2.18	---	---	16.0	1974
1975	---	---	1.07	1.19	23.9	74.1	25.3	5.93	3.81	3.44	---	---	17.2	1975
1976	---	---	1.74	7.84	35.5	23.8	14.9	9.76	4.05	2.24	---	---	12.5	1976
1977	---	---	1.02	4.44	12.9	8.72	2.95	2.10	2.51	1.80	---	---	4.55	1977
1978	---	---	1.01	4.28	26.8	33.0	13.8	4.56	4.67	3.47	---	---	11.4	1978
1979	---	---	1.38	2.28	25.1	24.4	6.91	2.91	1.99	1.41	---	---	8.28	1979
1980	---	---	1.03	10.7	35.4	24.2	5.68	3.26	3.75	2.95	---	---	10.9	1980
1981	---	---	2.42	7.99	41.2	32.0	11.9	4.66	2.68	1.81	---	---	13.3	1981
1982	---	---	1.24	1.53	21.8	42.1	14.7	4.33	2.35	2.55	---	---	11.3	1982
1983	---	---	1.50	5.13	23.9	22.9	11.3	4.31	2.28	1.67	---	---	9.11	1983
1984	---	---	1.54	5.35	17.0	25.8	7.85	3.01	2.28	3.17	---	---	8.21	1984
1985	---	---	0.956	7.07	29.4	10.8	5.45	3.75	7.71	9.71	---	---	10.3	1985
1986	---	---	6.65	11.7	27.2	25.7	5.72	2.56	2.22	4.65	---	---	10.8	1986
1987	---	---	2.44	12.4	29.0	12.8	8.72	5.80	3.60	2.12	---	---	9.61	1987
1988	---	---	1.04	8.27	23.0	17.6	4.74	2.36	2.02	3.36	---	---	7.78	1988
1989	---	---	1.06	6.39	23.2	30.9	9.36	4.34	6.02	4.25	---	---	10.6	1989
1990	---	---	1.94	11.5	26.3	39.9	17.3	5.74	2.54	2.80	---	---	13.4	1990
MEAN	---	---	1.83	6.33	28.0	33.5	11.8	4.37	3.36	3.24	---	---	11.5	MEAN

LOCATION - LAT 49 23 55 N
LONG 114 20 20 W

DRAINAGE AREA, 376 km²
NATURAL FLOW

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	94.3 AT 01:00 MST ON MAY 23	88.3 ON MAY 22	1.30 ON MAR 27	321 000	1967
1968	59.2 AT 03:20 MST ON MAY 23	55.2 ON MAY 23	1.88 ON MAR 01	262 000	1968
1969	82.9 AT 20:31 MST ON JUN 26	58.0 ON JUN 27	0.850B ON MAR 07	267 000	1969
1970	130 AT 17:30 MST ON JUN 13	103 ON JUN 14	0.436B ON MAR 10 *	268 000	1970
1971	80.4 AT 08:00 MST ON MAY 28	76.2 ON MAY 28	1.35 ON APR 03	280 000	1971
1972	116 AT 10:00 MST ON JUN 01	109 ON JUN 01	0.453B ON MAR 01	375 000	1972
1973	56.9 AT 05:10 MST ON MAY 18	54.9 ON MAY 18	1.19 B ON MAR 19	158 000	1973
1974	97.7 AT 06:40 MST ON JUN 18	94.6 ON JUN 17	1.53 B ON MAR 01	338 000	1974
1975	402 AT 00:20 MST ON JUN 20 *	297 ON JUN 20 *	0.847B ON APR 17	365 000	1975
1976	75.6 AT 09:30 MST ON MAY 11	70.5 ON MAY 11	1.42 B ON MAR 19	265 000	1976
1977	20.8 AT 14:20 MST ON MAY 11	19.9 ON MAY 11	0.875B ON MAR 13	96 300	1977
1978	61.2 AT 10:15 MST ON JUN 06	58.6 ON JUN 06	0.629B ON MAR 04	242 000	1978
1979	65.8 AT 08:10 MST ON MAY 27	62.3 ON MAY 27	1.02 B ON MAR 01	175 000	1979
1980	102 AT 13:20 MST ON MAY 26	84.7 ON MAY 26	0.973 ON MAR 20	230 000	1980
1981	102 AT 00:35 MST ON MAY 23	91.7 ON MAY 22	1.59 ON OCT 22	282 000	1981
1982	58.7 AT 23:35 MST ON JUN 14	58.0 ON JUN 14	0.997 ON APR 10	238 000	1982
1983	60.8 AT 04:28 MST ON MAY 27	57.6 ON MAY 26	1.19 ON MAR 08	193 000	1983
1984	52.9 AT 07:51 MST ON MAY 31	49.9 ON MAY 31	1.37 ON APR 02	174 000	1984
1985	47.8 AT 07:34 MST ON MAY 25	47.4 ON MAY 25	0.700B ON MAR 03	219 000	1985
1986	73.2 AT 07:40 MST ON MAY 29	70.7 ON MAY 29	1.85 ON SEP 03	228 000	1986
1987	55.7 AT 08:45 MST ON MAY 01	54.6 ON MAY 01	1.00 B ON MAR 02	203 000	1987
1988	42.2 AT 09:45 MST ON MAY 13	41.2 ON MAY 13	0.800B ON MAR 01	165 000	1988
1989	54.3 AT 11:50 MST ON JUN 11	53.1 ON JUN 11	0.700B ON MAR 02	225 000	1989
1990	62.1 AT 22:10 MST ON MAY 30	58.6 ON MAY 30	1.73 B ON MAR 01	285 000	1990
				244 000	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR JAN TO DEC IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	1.60	1.49	2.67	50.5	75.0	18.1	4.53	4.17	4.99	5.56	3.11	---	1945
1946	3.19	2.29	2.08	20.7	55.9	47.8	16.8	5.48	5.40	7.49	5.73	3.72	14.9	1946
1947	2.93	2.55	2.00	28.3	74.5	48.2	15.0	6.42	9.86	27.6	12.5	5.03	19.9	1947
1948	3.51	3.12	2.63	13.9	93.2	117	19.4	11.1	4.59	3.73	3.24	2.70	23.1	1948
1949	1.43	1.48	1.75	12.7	50.2	30.6	8.81	3.97	3.76	4.29	6.94	---	---	1949
1950	---	---	---	---	59.6	84.9	32.3	6.88	3.38	6.81	9.10	6.58	---	1950
1951	4.45	4.63	3.61	23.3	93.2	69.8	46.5	13.8	25.5	24.4	9.08	6.03	27.2	1951
1952	4.13	5.07	3.34	31.2	45.2	27.4	12.2	6.75	4.00	2.74	2.07	1.70	12.1	1952
1953	1.73	2.77	2.59	12.1	64.2	112	30.7	7.43	4.16	3.00	4.28	3.26	20.7	1953
1954	2.33	1.77	1.63	7.22	79.9	74.7	45.3	10.3	8.98	10.9	7.50	5.37	21.4	1954
1955	2.84	2.36	3.64	6.48	43.4	78.2	27.0	6.43	3.21	8.59	7.09	3.07	16.0	1955
1956	2.16	2.54	2.86	14.5	69.2	58.5	20.9	6.41	3.68	4.92	3.86	3.00	16.1	1956
1957	2.70	3.62	1.89	8.26	77.0	40.4	9.24	3.97	3.00	4.72	6.04	3.78	13.8	1957
1958	3.21	2.42	2.80	9.63	82.5	43.9	15.2	5.23	3.36	3.48	3.40	3.79	15.0	1958
1959	4.53	3.73	2.39	16.4	61.3	83.9	26.0	7.21	11.2	15.1	11.2	6.92	20.9	1959
1960	5.98	5.91	7.96	21.1	43.8	55.8	16.3	6.08	3.36	2.44	2.28	2.20	14.4	1960
1961	2.15	2.07	2.78	8.97	72.4	68.4	11.9	4.48	3.95	9.68	5.45	2.97	16.3	1961
1962	2.32	3.62	2.86	25.5	41.1	44.3	12.5	4.70	3.72	3.31	4.18	3.69	12.6	1962
1963	2.29	3.94	3.25	8.32	36.8	49.5	26.2	5.33	3.38	3.08	3.19	3.45	12.4	1963
1964	3.06	2.13	2.13	5.34	62.9	113	24.6	6.22	4.70	5.95	3.79	2.31	19.6	1964
1965	2.04	1.62	1.55	12.6	54.3	84.1	27.6	7.90	8.26	8.21	4.68	4.97	18.2	1965
1966	2.70	2.58	3.16	17.9	57.4	54.8	18.6	7.38	4.86	4.34	5.38	3.36	15.3	1966
1967	2.80	2.35	1.98	5.23	76.7	102	30.0	6.08	3.52	3.85	5.13	3.19	20.3	1967
1968	3.37	3.53	5.27	6.69	53.7	60.0	19.2	7.56	10.7	13.3	7.09	5.61	16.4	1968
1969	3.44	2.99	3.06	29.0	53.5	62.2	23.1	5.35	3.28	3.72	3.21	2.43	16.3	1969
1970	1.84	1.71	2.11	3.07	59.6	74.4	14.2	4.48	3.54	3.46	2.23	2.13	14.4	1970
1971	1.68	2.86	2.33	11.7	72.1	59.5	20.4	5.94	3.83	4.10	3.90	2.78	16.0	1971
1972	1.50	0.904	2.40	14.4	83.2	90.6	31.0	11.7	6.57	7.33	5.75	3.40	22.2	1972
1973	2.39	2.08	2.32	7.67	40.1	36.8	10.4	3.93	2.82	3.04	4.30	3.45	9.97	1973
1974	4.55	4.14	3.53	18.9	63.1	107	33.4	9.16	4.85	3.29	2.92	2.67	21.5	1974
1975	1.95	1.66	1.36	3.15	56.6	126	39.9	9.17	6.12	6.40	9.03	13.6	23.0	1975
1976	4.08	3.02	3.63	17.3	64.0	39.2	23.2	19.1	6.43	3.71	3.00	2.19	15.8	1976
1977	1.59	1.84	1.76	8.26	20.5	12.9	4.18	3.31	4.10	5.13	2.50	1.93	5.51	1977
1978	1.75	1.42	2.68	9.79	52.6	53.8	24.7	7.22	6.85	5.35	3.50	2.77	14.4	1978
1979	2.02	1.85	3.15	7.42	52.4	40.8	10.6	4.39	2.85	2.31	1.32	1.98	11.0	1979
1980	1.68	2.01	1.98	23.5	57.9	35.5	8.38	4.82	6.10	4.66	5.53	11.0	13.6	1980
1981	7.24	4.63	4.53	17.0	75.3	50.6	21.2	6.74	3.48	2.79	2.36	2.57	16.6	1981
1982	1.65	2.06	1.94	3.93	44.9	69.1	22.1	5.90	3.74	4.36	3.45	2.55	13.8	1982
1983	2.34	2.45	3.46	12.0	43.7	36.2	19.5	6.28	3.48	2.70	4.26	2.81	11.6	1983
1984	4.17	3.23	2.61	10.1	29.7	42.5	11.9	4.34	3.41	4.41	3.28	2.12	10.1	1984
1985	1.80	1.41	1.78	14.1	49.4	30.5	8.23	5.16	13.6	18.5	13.9	5.55	13.7	1985
1986	4.09	7.41	15.4	23.2	48.7	38.7	8.42	3.85	4.27	8.60	8.17	5.35	14.7	1986
1987	3.25	2.85	5.59	26.6	50.2	20.5	13.2	8.95	5.06	3.25	2.50	1.93	12.0	1987
1988	1.85	1.38	2.02	15.1	37.8	26.8	6.62	3.33	2.89	4.87	5.09	3.59	9.28	1988
1989	1.85	1.57	2.21	13.9	42.0	50.6	14.9	6.83	8.53	6.98	18.7	8.25	14.7	1989
1990	4.05	3.32	2.68	25.0	55.8	67.9	25.3	8.47	3.74	5.28	12.9	5.16	18.3	1990
MEAN	2.88	2.76	3.31	14.1	57.7	60.8	20.1	6.74	5.53	6.50	5.66	4.00	15.9	MEAN

LOCATION - LAT 49 29 20 N LONG 114 08 40 W DRAINAGE AREA, 823 km² NATURAL FLOW

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR JAN TO DEC FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1945	145	AT 19:00 MST ON JUN 06	142	ON JUN 06	---		---	1945
1946	---		96.8	ON MAY 29	1.78	ON MAR 09	468 000	1946
1947	---		143	ON MAY 10	1.95 B	ON FEB 08	627 000	1947
1948	442	AT 14:00 MST ON MAY 22	362	ON MAY 23	2.01 B	ON DEC 31	732 000	1948
1949	73.9	AT 16:30 MST ON MAY 13	71.9	ON MAY 13	---		---	1949
1950	128	AT 03:00 MST ON JUN 16	122	ON JUN 16	---		---	1950
1951	145	AT 16:00 MST ON MAY 14	136	ON MAY 14	2.44 B	ON MAR 03	857 000	1951
1952	92.3	AT 22:30 MST ON APR 27	89.5	ON APR 28	1.16 B	ON NOV 25	384 000	1952
1953	283	AT 20:00 MST ON JUN 08	257	ON JUN 08	1.02 B	ON JAN 19	652 000	1953
1954	215	AT 22:00 MST ON MAY 19	187	ON MAY 20	1.19 B	ON JAN 20	676 000	1954
1955	124	AT 23:59 MST ON MAY 19	114	ON JUN 14	1.13 B	ON FEB 07	506 000	1955
1956	183	AT 03:00 MST ON MAY 21	174	ON MAY 21	1.13 B	ON MAR 12	508 000	1956
1957	115	AT 05:00 MST ON MAY 21	106	ON MAY 21	1.19 B	ON MAR 09	435 000	1957
1958	144	AT 21:00 MST ON MAY 12	125	ON MAY 14	1.44 B	ON FEB 21	473 000	1958
1959	138	AT 23:00 MST ON JUN 05	136	ON JUN 05	1.64 B	ON MAR 05	658 000	1959
1960	119	AT 05:00 MST ON MAY 13	111	ON MAY 13	1.64	ON NOV 09	456 000	1960
1961	176	AT 06:00 MST ON MAY 27	170	ON MAY 27	1.76 B	ON JAN 11	515 000	1961
1962	67.4	AT 08:00 MST ON APR 25	65.7	ON APR 25	1.14 B	ON DEC 26	399 000	1962
1963	89.2	AT 07:00 MST ON JUN 30	87.2	ON JUN 30	1.20 B	ON JAN 19	392 000	1963
1964	510	AT 21:00 MST ON JUN 08	360	ON JUN 08	1.54 B	ON JAN 20	620 000	1964
1965	294	AT 19:00 MST ON JUN 17	219	ON JUN 18	1.13 B	ON FEB 11	573 000	1965
1966	111	AT 21:30 MST ON MAY 10	100	ON MAY 29	1.13 B	ON MAR 06	481 000	1966
1967	224	AT 22:00 MST ON MAY 22	208	ON MAY 22	1.55 B	ON MAR 07	640 000	1967
1968	157	AT 01:00 MST ON MAY 23	142	ON MAY 23	3.23 B	ON JAN 01	517 000	1968
1969	159	AT 08:23 MST ON JUN 26	144	ON JUN 26	2.07 B	ON DEC 31	514 000	1969
1970	210	AT 21:00 MST ON JUN 13	170	ON JUN 14	1.21 B	ON DEC 06	455 000	1970
1971	125	AT 06:00 MST ON MAY 28	120	ON MAY 28	1.22 B	ON DEC 23	505 000	1971
1972	213 A	ON JUN 01	201 A	ON JUN 01	0.807B	ON FEB 08	702 000	1972
1973	96.6	AT 03:30 MST ON MAY 18	94.0	ON MAY 18	1.61 B	ON FEB 13	315 000	1973
1974	171	AT 04:20 MST ON JUN 17	167	ON JUN 17	1.80 B	ON DEC 23	678 000	1974
1975	736	AT 02:00 MST ON JUN 20 *	535	ON JUN 20 *	0.841B	ON FEB 13	725 000	1975
1976	124	AT 10:30 MST ON MAY 11	119	ON MAY 11	1.53 B	ON DEC 27	500 000	1976
1977	35.1	AT 18:00 MST ON MAY 11	33.4	ON MAY 11	1.20 B	ON JAN 10	174 000	1977
1978	99.1	AT 12:20 MST ON JUN 06	96.3	ON JUN 06	1.01 B	ON MAR 02	455 000	1978
1979	113	AT 04:35 MST ON MAY 27	107	ON MAY 25	0.503B	ON NOV 25 *	346 000	1979
1980	131	AT 17:30 MST ON MAY 26	112	ON MAY 26	1.31 B	ON JAN 26	431 000	1980
1981	---		150 E	ON MAY 22	1.50 B	ON DEC 28	524 000	1981
1982	101	AT 11:20 MST ON MAY 26	97.7	ON MAY 26	1.38 B	ON JAN 09	436 000	1982
1983	96.2	AT 02:58 MST ON MAY 27	92.8	ON MAY 26	2.09 B	ON FEB 10	367 000	1983
1984	81.8	AT 09:10 MST ON MAY 31	77.8	ON MAY 31	1.27 B	ON DEC 29	320 000	1984
1985	83.7	AT 10:05 MST ON MAY 25	81.8	ON MAY 25	1.25 B	ON MAR 03	433 000	1985
1986	116	AT 02:10 MST ON MAY 29	111	ON MAY 29	2.81	ON AUG 29	463 000	1986
1987	125 E	AT 06:20 MST ON MAY 01	118 E	ON MAY 01	1.40 B	ON DEC 31	380 000	1987
1988	71.3	AT 06:45 MST ON MAY 13	69.2	ON MAY 13	0.800B	ON FEB 01	294 000	1988
1989	88.5	AT 01:45 MST ON MAY 08	83.7	ON MAY 08	1.25 B	ON FEB 04	464 000	1989
1990	120	AT 19:10 MST ON MAY 30	119	ON MAY 30	2.12 B	ON MAR 04	578 000	1990
							503 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER NEAR COWLEY - STATION NO. 05AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	7.78	5.77	---	---	---	1909
1910	---	---	---	31.6	54.1	40.2	14.1	5.79	10.5	20.5	---	---	---	1910
1911	2.45	3.33	6.41	21.1	64.4	104	26.5	21.5	54.1	16.0	24.6	6.29	29.2	1911
1912	3.03	2.32	2.64	19.3	52.3	40.6	12.7	12.6	8.21	8.63	9.04	3.75	16.3	1912
1913	3.37	2.79	2.49	17.4	55.3	76.7	22.3	12.0	7.50	11.2	9.78	3.90	18.8	1913
1914	4.00	4.66	4.09	25.7	50.5	43.7	16.9	9.96	8.79	26.5	17.1	8.41	18.4	1914
1915	6.25	3.85	4.06	20.4	66.7	60.9	27.7	15.9	11.9	15.0	9.50	5.56	20.7	1915
1916	3.53	9.06	9.24	21.5	43.9	114	52.2	14.4	9.66	5.83	4.41	3.16	24.2	1916
1917	2.84	2.21	2.51	4.48	60.7	98.3	33.6	6.71	5.08	4.21	3.37	3.18	18.9	1917
1918	4.91	2.50	4.97	15.3	48.7	70.5	14.7	6.87	5.22	6.07	3.90	3.19	15.7	1918
1919	3.34	2.10	2.28	13.0	49.9	37.6	10.8	4.55	2.97	3.62	3.62	2.89	11.4	1919
1920	2.40	2.48	2.61	6.11	48.1	81.4	37.7	9.25	5.92	6.58	4.62	3.17	17.5	1920
1921	3.53	3.59	4.78	16.7	61.2	74.2	21.5	6.57	4.35	4.70	3.11	3.06	17.3	1921
1922	2.47	2.02	1.86	6.27	65.8	79.5	19.1	6.39	3.65	4.05	4.09	2.76	16.5	1922
1923	2.43	2.02	2.28	9.69	86.3	107	24.6	10.1	5.65	4.23	4.12	3.12	20.4	1923
1924	2.32	3.07	2.73	8.12	55.3	63.5	19.0	17.0	7.25	6.17	5.63	5.34	16.3	1924
1925	4.17	2.98	3.90	26.7	69.5	53.9	16.5	6.82	6.43	9.31	7.20	5.57	17.8	1925
1926	4.55	3.24	3.23	17.3	21.9	19.9	9.79	4.93	17.3	27.1	11.2	6.02	12.2	1926
1927	3.42	2.70	3.09	17.1	65.0	139	57.8	17.5	30.5	26.1	12.2	7.48	31.8	1927
1928	7.81	5.04	8.21	16.9	96.4	72.1	42.9	10.1	7.07	15.9	7.44	5.10	24.8	1928
1929	2.80	2.12	4.96	5.76	58.0	70.9	16.1	5.52	4.32	4.74	3.03	2.97	15.1	1929
1930	2.21	3.15	3.30	27.8	61.4	53.8	15.2	5.38	3.91	3.58	2.89	2.18	15.4	1930
1931	1.75	2.50	2.11	3.60	---	---	---	---	---	---	---	---	---	1931
MEAN	3.48	3.26	3.89	16.0	58.8	75.3	25.3	9.99	10.5	10.7	7.54	4.36	19.3	MEAN

LOCATION - LAT 49 32 00 N, LONG 114 02 00 W
DRAINAGE AREA, 1 120 km^2
NATURAL FLOW

CASTLE RIVER NEAR COWLEY - STATION NO. 05AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	79.0 ON MAY 26	---	---	1910
1911	---	174 ON SEP 04	1.95 B ON JAN 03	921 000	1911
1912	---	77.3 ON MAY 16	2.01 B ON FEB 29	515 000	1912
1913	---	142 ON MAY 29	2.15 B ON FEB 27	592 000	1913
1914	---	83.0 ON JUN 04	2.32 B ON JAN 28	581 000	1914
1915	---	123 ON MAY 01	3.00 B ON MAR 14	654 000	1915
1916	---	200 ON JUN 19	2.75 B ON DEC 28	765 000	1916
1917	---	155 ON JUN 09	1.70 B ON FEB 27	597 000	1917
1918	---	138 ON JUN 11	1.81 B ON FEB 22	494 000	1918
1919	---	98.8 ON MAY 28	1.42 B ON FEB 03	360 000	1919
1920	---	127 ON JUN 16	0.963B ON JAN 21 *	555 000	1920
1921	---	135 ON MAY 26	1.93 B ON FEB 06	546 000	1921
1922	---	168 ON JUN 05	1.50 B ON MAR 13	522 000	1922
1923	---	1 120 ON JUN 01 *	1.64 B ON JAN 30	896 000	1923
1924	---	112 ON JUN 07	2.10 B ON JAN 01	516 000	1924
1925	---	128 ON MAY 20	2.80 B ON FEB 28	561 000	1925
1926	---	43.6 ON OCT 18	1.98 B ON APR 05	386 000	1926
1927	---	239 ON JUN 11	2.52 B ON FEB 17	1 000 000	1927
1928	---	137 ON MAY 22	3.91 B ON DEC 31	784 000	1928
1929	---	163 ON JUN 03	1.42 B ON NOV 22	477 000	1929
1930	---	102 ON MAY 21	1.67 B ON DEC 17	486 000	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		610 000	MEAN

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	9.02	3.55	1.06	0.520	0.459	---	---	---	1966
1967	---	---	---	0.221	5.32	15.1	4.17	1.05	0.490	0.414	---	---	---	1967
1968	---	---	0.320	0.339	2.72	6.77	2.59	1.22	1.14	1.41	---	---	---	1968
1969	---	---	0.235	1.09	6.46	11.0	5.53	0.924	0.493	0.506	---	---	---	1969
1970	---	---	---	0.224	4.19	10.6	2.74	0.709	0.551	0.433	---	---	---	1970
1971	---	---	---	0.523	7.18	9.68	2.65	0.862	0.534	0.561	0.343	0.275	---	1971
1972	0.188	0.138	0.210	0.332	7.55	17.0	4.36	2.68	1.65	1.05	0.585	0.370	3.00	1972
1973	0.299	0.274	0.272	0.341	4.87	7.95	2.27	0.950	0.797	0.440	0.300	0.262	1.59	1973
1974	0.178	0.216	0.224	0.446	4.34	19.2	3.96	1.36	0.802	0.678	0.434	0.293	2.67	1974
1975	0.203	0.203	0.199	0.259	3.33	14.3	5.15	1.72	0.969	0.780	0.649	0.402	2.34	1975
1976	0.321	0.267	0.218	0.909	7.69	5.67	2.51	5.48	1.50	0.898	0.531	0.317	2.20	1976
1977	0.235	0.257	0.215	0.684	2.56	3.01	0.973	1.07	1.12	0.840	0.537	0.354	0.990	1977
1978	0.270	0.260	0.345	0.636	4.24	9.79	4.68	1.52	0.983	0.886	0.538	0.343	2.05	1978
1979	0.230	0.239	0.250	0.295	4.56	6.24	1.70	1.31	1.03	0.461	0.286	0.265	1.41	1979
1980	0.204	0.157	0.160	1.36	7.06	7.49	1.57	1.17	1.15	0.922	0.662	0.513	1.87	1980
1981	0.368	0.246	0.319	0.879	9.61	11.1	5.61	2.08	0.793	0.657	0.358	0.190	2.70	1981
1982	0.107	0.144	0.165	0.322	2.56	7.79	2.26	0.760	0.676	0.652	0.331	0.174	1.33	1982
1983	0.197	0.213	0.232	0.515	3.74	4.33	1.77	0.695	0.403	0.398	0.356	0.148	1.09	1983
1984	0.166	0.121	0.165	0.473	2.24	5.65	1.49	0.577	0.408	0.467	0.326	0.212	1.02	1984
1985	0.121	0.110	0.137	0.682	5.30	4.55	1.06	0.945	2.85	1.79	0.990	0.504	1.59	1985
1986	0.375	0.314	0.442	0.876	7.98	7.03	1.70	0.833	0.834	1.29	0.733	0.450	1.91	1986
1987	0.312	0.277	0.272	1.09	5.33	4.90	1.81	1.60	0.732	0.432	0.290	0.229	1.20	1987
1988	0.110	0.149	0.147	0.741	3.94	4.40	1.06	0.806	0.493	0.444	0.282	0.207	1.07	1988
1989	0.187	0.163	0.183	0.740	4.35	5.77	1.40	0.825	1.15	0.771	0.817	0.611	1.42	1989
1990	0.373	0.264	0.288	1.34	10.7	11.3	4.75	2.22	0.789	0.654	0.610	0.412	2.82	1990
MEAN	0.234	0.211	0.238	0.638	5.33	8.67	2.85	1.38	0.914	0.732	0.498	0.327	1.80	MEAN

LOCATION - LAT 50 17 04 N DRAINAGE AREA, 166 km²
LONG 114 35 25 W NATURAL FLOW

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	18.0 AT 20:00 MST ON JUN 04	16.0 ON JUN 05	---	---	1966
1967	39.4 AT 17:00 MST ON MAY 30	31.1 ON MAY 30	---	---	1967
1968	11.4 AT 15:30 MST ON JUN 07	10.5 ON JUN 10	---	---	1968
1969	---	23.9 ON JUN 26	---	---	1969
1970	27.7 AT 22:40 MST ON JUN 13	22.4 ON JUN 14	---	---	1970
1971	24.7 AT 06:30 MST ON JUN 06	23.1 ON JUN 06	---	---	1971
1972	39.6 AT 22:30 MST ON MAY 31	34.3 ON MAY 31	0.110B ON FEB 08	94 900	1972
1973	15.5 AT 22:00 MST ON MAY 30	13.1 ON MAY 31	0.193B ON DEC 31	50 100	1973
1974	48.1 AT 22:00 MST ON JUN 16	39.1 ON JUN 16	0.144B ON JAN 14	84 300	1974
1975	56.6 AT 22:30 MST ON JUN 19 *	38.8 ON JUN 20	0.167B ON JAN 20	73 900	1975
1976	35.1 AT 22:30 MST ON AUG 05	21.1 ON AUG 06	0.178B ON MAR 25	69 700	1976
1977	5.61 AT 23:30 MST ON JUN 07	5.15 ON JUN 08	0.161B ON JAN 15	31 200	1977
1978	22.1 AT 20:00 MST ON JUN 05	18.4 ON JUN 05	0.232B ON JAN 30	64 500	1978
1979	20.1 AT 20:30 MST ON MAY 26	15.1 ON MAY 26	0.169B ON DEC 02	44 500	1979
1980	34.1 AT 22:00 MST ON MAY 25	23.5 ON MAY 26	0.141B ON JAN 27	59 100	1980
1981	46.8 AT 22:00 MST ON MAY 25	33.5 ON MAY 26	0.086B ON DEC 28	85 000	1981
1982	13.8 AT 20:43 MST ON JUN 13	11.9 ON JUN 14	0.080B ON JAN 03	41 900	1982
1983	10.3 AT 19:42 MST ON MAY 25	9.17 ON MAY 26	0.119B ON DEC 19	34 300	1983
1984	11.5 AT 18:39 MST ON MAY 30	8.07 ON MAY 30	0.106B ON FEB 06	32 300	1984
1985	17.5 AT 13:12 MST ON SEP 12	11.6 ON MAY 25	0.086B ON FEB 13	50 200	1985
1986	28.7 AT 19:39 MST ON MAY 28	24.4 ON MAY 28	0.260B ON FEB 14	60 300	1986
1987	9.96 AT 00:27 MST ON MAY 13	8.88 ON MAY 09	0.160B ON DEC 31	37 800	1987
1988	12.9 AT 00:08 MST ON JUN 08	10.7 ON JUN 08	0.026B ON JAN 12 *	33 800	1988
1989	10.9 AT 19:37 MST ON JUN 06	9.90 ON JUN 06	0.155B ON FEB 02	44 700	1989
1990	56.0 AT 23:47 MST ON MAY 25	44.6 ON MAY 26 *	0.222B ON FEB 25	89 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		56 900	MEAN

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	0.090	0	0.002	0	0.040	0	0	0	0	---	---	0.014	1981
1982	---	0.122	0.492	0.617	0.069	0.378	0	0.001	0	0	---	---	0.186	1982
1983	---	0.197	0.118	0.030	0.281	0.008	0.007	0	0	0	---	---	0.071	1983
1984	---	0	0.026	0.005	0	0	0	0	0	0	---	---	0.003	1984
1985	---	0	0.438	0.970	0.383	0.001	0	0	0	0	---	---	0.200	1985
1986	---	0.172	0.131	0.016	0.308	0.001	0	0	0.193	0.048	---	---	0.096	1986
1987	---	0.009	0.277	0.328	0.006	0	0	0	0	0	---	---	0.069	1987
1988	---	0.006	0.031	0.084	0	0	0	0	0	0	---	---	0.013	1988
1989	---	0	0.041	0.005	0.007	0.004	0	0	0	0	---	---	0.006	1989
1990	---	0.017	0.067	0.002	0.016	0.039	0	0	0	0	---	---	0.016	1990
MEAN	---	0.061	0.162	0.206	0.107	0.047	0.001	0	0.019	0.005	---	---	0.067	MEAN

LOCATION - LAT 49 53 51 N
LONG 110 29 47 W REGULATED

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 05AH044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.569A ON FEB 10	0E ON FEB 01 *	326	1981
1982	---	4.15 ON APR 13	0B ON FEB 01	4 380	1982
1983	---	1.38 ON MAY 16	0B ON FEB 01	1 670	1983
1984	---	0.233B ON MAR 25	0B ON FEB 01	82.5	1984
1985	---	4.20 ON APR 02 *	0B ON FEB 01	4 720	1985
1986	---	3.10 ON SEP 26	0B ON FEB 06	2 260	1986
1987	---	2.67 ON APR 01	0 ON JUN 01	1 630	1987
1988	---	0.497 ON APR 04	0 ON FEB 01	316	1988
1989	---	0.489B ON MAR 29	0B ON FEB 01	151	1989
1990	---	0.400B ON MAR 05	0B ON FEB 01	367	1990
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 590	MEAN

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.034	0.076	0.022	0.076	---	---	---	1966
1967	---	---	---	---	0.743	0.052	0.111	0.209	0.187	0.111	---	---	0.237	1967
1968	---	---	---	---	0.003	0.004	0.007	0.003	0.003	0.002	---	---	0.004	1968
MEAN	---	---	---	---	0.373	0.028	0.051	0.096	0.071	0.063	---	---	0.121	MEAN

LOCATION - LAT 49 46 40 N
LONG 112 27 30 W REGULATED

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	3.20 E ON MAY 11 *	0.003E ON OCT 31	3 770	1967
1968	---	0.016 ON SEP 10	0 ON OCT 21 *	59.4	1968
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 910	MEAN

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	---	---	1.43	---	1969
1970	0.449	0.291	0.358	38.1	49.4	34.6	20.9	3.29	3.76	5.63	1.41	0.124	13.2	1970
1971	0.095	0.034	0.040	57.2	57.2	85.3	66.9	13.8	10.6	9.96	2.75	1.90	25.5	1971
1972	1.03	0.577	0.408	6.60	406	25.3	59.0	23.3	4.70	3.65	3.52	1.25	45.2	1972
1973	0.615	0.529	0.193	88.5	167	93.5	80.9	50.4	29.2	14.3	4.47	2.78	44.6	1973
1974	1.34	0.968	0.930	172	289	53.4	25.1	17.9	15.0	15.3	3.34	1.07	49.9	1974
1975	0.452	0.354	0.200	17.7	76.4	42.0	29.2	6.17	9.99	3.14	1.64	0.875	15.8	1975
1976	0.383	0.193	0.136	43.3	48.5	76.8	84.9	123	40.5	18.3	6.10	1.67	37.1	1976
1977	1.63	1.43	1.26	59.2	103	304	54.4	21.1	13.9	10.3	3.39	0.963	47.7	1977
1978	0.786	0.791	0.669	10.4	124	47.3	8.50	10.5	52.1	22.3	4.61	2.42	23.8	1978
1979	1.11	0.771	0.597	8.08	265	180	113	22.0	17.3	8.53	---	---	---	1979
1980	---	---	0	6.23	5.15	13.4	13.8	18.3	16.5	20.0	4.13	0.597	---	1980
1981	0.319	0.238	0.393	39.6	177	19.1	12.4	3.31	0.997	1.16	1.59	0.526	21.6	1981
1982	0.179	0.119	0.138	0.897	182	10.3	2.04	5.63	4.64	3.09	0.966	0.624	17.8	1982
1983	0.452	0.378	0.374	30.4	76.7	32.4	22.0	26.0	14.6	7.02	2.86	0.682	17.9	1983
1984	0.376	0.285	0.188	11.3	44.2	53.0	108	15.7	25.4	10.9	4.05	1.21	23.0	1984
1985	0.535	0.082	0.102	34.0	98.9	12.8	6.36	4.59	16.4	19.3	5.00	2.59	16.9	1985
1986	1.35	0.836	0.569	16.7	84.2	18.5	26.8	9.94	3.21	5.79	2.92	1.40	14.5	1986
1987	0.571	0.060	0.037	52.1	89.6	89.7	16.4	123	10.5	5.49	2.44	1.28	32.8	1987
1988	0.490	0.335	0.458	22.8	88.9	91.5	169	21.8	8.00	5.96	5.32	3.33	35.0	1988
1989	1.12	0.520	0.253	30.2	273	56.2	11.3	18.6	18.5	18.9	5.91	3.89	36.9	1989
1990	2.19	1.18	0.928	78.7	156	115	20.3	4.48	2.20	1.71	0.866	0.684	32.1	1990
MEAN	0.774	0.499	0.392	39.2	136	69.2	45.3	25.8	15.1	10.0	3.36	1.49	29.0	MEAN

LOCATION - LAT 58 35 48 N LONG 118 20 00 W DRAINAGE AREA, 10 400 km² NATURAL FLOW

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07OC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	---	140 B ON APR 23	0.076B ON DEC 27	417 000	1970
1971	345 AT 22:00 MST ON JUN 20	340 ON JUN 20	0.003B ON FEB 21 *	806 000	1971
1972	770 AT 05:00 MST ON MAY 07	748 ON MAY 06	0.340B ON APR 18	1 430 000	1972
1973	311 AT 06:30 MST ON MAY 14	309 ON MAY 14	0.173B ON MAR 10	1 410 000	1973
1974	824 A AT 02:00 MST ON APR 29 *	810 A ON APR 29 *	0.694B ON DEC 26	1 570 000	1974
1975	163 AT 03:00 MST ON MAY 29	161 ON MAY 29	0.113B ON MAR 28	498 000	1975
1976	433 AT 09:30 MST ON AUG 20	422 ON AUG 20	0.040B ON FEB 26	1 170 000	1976
1977	725 AT 02:00 MST ON JUN 13	694 ON JUN 07	0.631B ON DEC 19	1 500 000	1977
1978	348 E AT 23:00 MST ON MAY 01	328 E ON MAY 02	0.580B ON MAR 19	750 000	1978
1979	412 AT 02:00 MST ON JUL 06	403 ON JUL 06	---	---	1979
1980	46.7 AT 19:50 MST ON JUL 30	46.0 ON JUL 30	---	---	1980
1981	497 AT 00:30 MST ON MAY 04	479 ON MAY 04	0.041B ON MAR 03	682 000	1981
1982	328 AT 20:45 MST ON MAY 05	309 ON MAY 06	0.080B ON FEB 14	561 000	1982
1983	163 AT 08:00 MST ON APR 27	160 ON APR 27	0.329B ON FEB 09	566 000	1983
1984	237 AT 06:30 MST ON JUL 11	235 ON JUL 11	0.154B ON MAR 15	727 000	1984
1985	240 AT 21:30 MST ON MAY 08	236 ON MAY 08	0.026B ON MAR 27	532 000	1985
1986	131 AT 06:00 MST ON MAY 15	131 ON MAY 15	0.374B ON APR 02	457 000	1986
1987	476 AT 19:00 MST ON AUG 06	453 ON AUG 05	0.018B ON FEB 13	1 040 000	1987
1988	395 AT 21:30 MST ON JUL 04	387 ON JUL 05	0.238B ON JAN 27	1 110 000	1988
1989	557 AT 00:00 MST ON MAY 04	547 ON MAY 04	0.200B ON MAR 26	1 160 000	1989
1990	294 AT 21:00 MST ON APR 26	288 ON APR 26	0.390B ON DEC 31	1 010 000	1990
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		916 000	MEAN

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	14.6	11.6	21.8	12.4	6.20	---	---	---	1982
1983	---	---	2.93	9.46	10.9	13.7	39.2	36.7	22.4	15.6	---	---	18.9	1983
1984	---	---	2.98	14.9	27.5	76.2	25.8	9.22	10.9	12.5	---	---	22.3	1984
1985	---	---	3.23	20.9	95.6	27.8	15.9	5.34	4.74	6.16	---	---	22.5	1985
1986	---	---	4.71	12.5	20.9	12.5	64.7	41.0	10.3	8.51	---	---	22.4	1986
1987	---	---	3.32	17.2	22.4	26.2	9.93	15.3	9.14	6.24	---	---	13.7	1987
1988	---	---	1.89	8.23	13.6	14.5	43.3	13.8	7.64	5.76	---	---	13.6	1988
1989	---	---	2.33	5.18	24.7	40.4	30.6	11.1	10.5	12.7	---	---	17.2	1989
1990	---	---	2.94	23.0	71.9	40.5	12.5	4.27	3.33	4.11	---	---	20.3	1990
MEAN	---	---	3.04	13.9	35.9	29.9	28.2	17.6	10.2	8.64	---	---	18.9	MEAN

LOCATION - LAT 55 50 20 N LONG 110 52 00 W DRAINAGE AREA, 4 860 km²

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	90.1 AT 19:18 MST ON JUL 30	89.5 ON JUL 29	2.80B ON MAR 01	400 000	1983
1984	176 AT 11:22 MST ON JUN 08 *	174 ON JUN 08	2.70B ON MAR 01	473 000	1984
1985	---	177 E ON MAY 09 *	3.00B ON MAR 01	477 000	1985
1986	153 AT 21:01 MST ON JUL 24	152 ON JUL 24	2.43B ON OCT 31	474 000	1986
1987	41.6 AT 17:57 MST ON JUN 08	41.1 ON JUN 09	3.06B ON OCT 31	289 000	1987
1988	74.5 AT 15:46 MST ON JUL 20	74.4 ON JUL 20	1.66B ON MAR 01 *	289 000	1988
1989	59.2 AT 08:10 MST ON JUN 23	58.7 ON JUN 23	2.02B ON MAR 01	364 000	1989
1990	94.9 AT 16:50 MST ON MAY 11	94.1 ON MAY 11	2.38B ON MAR 25	429 000	1990
				399 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.00	0.548	0.585	---	---	---	1972
1973	---	---	0.456	1.40	2.48	3.10	1.32	1.15	0.599	0.617	---	---	1.39	1973
1974	---	---	0.061	4.84	11.9	1.77	4.85	0.451	0.390	0.357	---	---	3.08	1974
1975	---	---	0.092	1.09	2.25	2.81	2.43	1.65	1.64	0.417	---	---	1.54	1975
1976	---	---	0.096	2.62	0.974	1.25	1.88	3.58	2.26	0.559	---	---	1.65	1976
1977	---	---	0.168	2.18	7.84	4.26	3.99	1.18	1.64	1.13	---	---	2.80	1977
1978	---	---	0.209	1.48	2.57	2.39	3.18	0.922	1.99	0.998	---	---	1.72	1978
1979	---	---	0.263	0.974	6.71	7.16	8.59	1.40	0.265	0.380	---	---	3.22	1979
1980	---	---	0.111	2.81	1.35	2.05	1.52	0.730	0.780	0.565	---	---	1.24	1980
1981	---	---	0.265	1.44	2.63	1.76	0.444	0.157	0.074	0.164	---	---	0.737	1981
1982	---	---	0.014	0.850	2.49	0.115	1.89	1.62	0.717	0.295	---	---	1.00	1982
1983	---	---	0.022	0.593	0.330	1.92	6.13	1.07	0.198	0.291	---	---	1.32	1983
1984	---	---	0.137	0.846	1.62	5.22	0.548	0.125	0.617	0.392	---	---	1.18	1984
1985	---	---	0.105	1.15	1.34	2.86	0.761	0.273	1.27	0.909	---	---	1.07	1985
1986	---	---	0.172	3.59	4.02	1.67	3.73	0.568	0.543	1.42	---	---	1.96	1986
1987	---	---	0.121	0.826	1.22	0.821	0.255	1.55	0.676	0.311	---	---	0.722	1987
1988	---	---	0.225	0.641	0.579	1.79	4.44	0.591	0.652	0.327	---	---	1.16	1988
1989	---	---	0.074	1.08	1.74	0.915	7.16	5.12	0.921	0.463	---	---	2.20	1989
1990	---	---	0.179	1.07	1.31	2.04	1.53	0.103	0.328	0.291	---	---	0.854	1990
MEAN	---	---	0.154	1.64	2.91	2.44	3.04	1.22	0.837	0.561	---	---	1.60	MEAN

LOCATION - LAT 54 13 40 N LONG 115 19 58 W DRAINAGE AREA, 424 km² NATURAL FLOW

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	9.80 AT 00:30 MST ON JUN 27	9.06 ON JUN 27	0.224B ON MAR 06	29 400	1973
1974	31.1 AT 00:20 MST ON MAY 14	27.1 ON MAY 13	0.057B ON MAR 01	65 300	1974
1975	24.7 AT 20:00 MST ON JUN 29	23.7 ON JUN 29	0.079B ON MAR 14	32 700	1975
1976	13.6 AT 20:30 MST ON AUG 28	13.3 ON AUG 28	0.085B ON MAR 01	34 900	1976
1977	27.5 AT 15:00 MST ON MAY 30	26.8 ON MAY 30	0.102B ON APR 02	59 300	1977
1978	17.6 AT 19:15 MST ON JUL 12	15.8 ON JUL 13	0.130B ON MAR 15	36 300	1978
1979	38.1 AT 23:55 MST ON JUL 03 *	34.4 ON JUN 15 *	0.074B ON MAR 01	68 200	1979
1980	8.22 AT 06:10 MST ON APR 18	6.97B ON APR 18	0.066B ON MAR 01	26 400	1980
1981	3.88 AT 23:10 MST ON APR 25	3.52 ON JUN 02	0.005 ON SEP 19 *	15 600	1981
1982	5.29 AT 23:10 MST ON MAY 04	4.72 ON MAY 21	0.010B ON MAR 01	21 300	1982
1983	17.1 AT 12:00 MST ON JUL 10	16.4 ON JUL 10	0.009B ON MAR 09	28 000	1983
1984	35.4 AT 23:59 MST ON JUN 08	30.9 ON JUN 09	0.063 ON AUG 03	24 900	1984
1985	27.5 AT 04:55 MST ON JUN 26	22.4 ON JUN 26	0.030B ON MAR 01	22 700	1985
1986	17.1 AT 05:55 MST ON JUL 19	16.2 ON JUL 19	0.015B ON MAR 11	41 600	1986
1987	4.64 AT 14:21 MST ON AUG 02	4.11 ON AUG 03	0.065B ON MAR 01	15 300	1987
1988	26.3 AT 00:51 MST ON JUL 08	21.9 ON JUL 08	0.036B ON MAR 03	24 500	1988
1989	32.9 AT 16:51 MST ON JUL 10	31.2 ON JUL 10	0.018B ON MAR 28	46 500	1989
1990	7.94 AT 19:11 MST ON JUL 04	6.78 ON JUL 04	0.046 ON AUG 15	18 100	1990
				33 900	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC033

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0	0	0	0	0	0	---	---	---	1983
1984	---	0	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0.008	0.025	0	0	0	0	0	0	0	---	---	0.004	1985
1986	---	0.162	0.004	0	0	0	0	0	0	0	---	---	0.017	1986
MEAN	---	0.057	0.010	0	0	0	0	0	0	0	---	---	0.007	MEAN

LOCATION - LAT 50 09 25 N LONG 113 27 29 W DRAINAGE AREA, 182 km²

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0 ON MAY 01 *	---	1983
1984	---	---	0 ON FEB 01	0	1984
1985	0.328B AT 09:24 MST ON MAR 02	0.181 ON FEB 28	0 ON FEB 01	86.5	1985
1986	5.22 AT 15:46 MST ON FEB 25 *	2.53 ON FEB 25 *	0 ON FEB 01	401	1986
				163	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	0.146	0.476	---	---	---	1971
1972	---	---	0.009	15.2	52.6	3.75	21.4	5.06	0.694	1.30	---	---	12.6	1972
1973	---	---	0.039	48.8	26.9	13.8	3.37	1.84	2.70	1.61	---	---	12.3	1973
1974	---	---	0.069	85.7	66.1	5.95	10.4	7.20	3.14	3.67	---	---	22.7	1974
1975	---	---	0.007	11.5	17.8	5.21	1.65	0.103	0.330	0.102	---	---	4.58	1975
1976	---	---	0	8.94	7.43	6.97	7.01	16.0	2.33	0.904	---	---	6.20	1976
1977	---	---	0.169	25.1	31.5	21.7	2.73	1.48	0.846	1.06	---	---	10.5	1977
1978	---	---	0.053	7.48	24.2	3.51	0.325	0.162	2.26	1.12	---	---	4.90	1978
1979	---	---	0.069	8.34	24.3	13.7	16.8	2.84	1.41	0.601	---	---	8.52	1979
1980	---	---	0.006	2.94	2.55	2.51	1.24	0.932	1.95	1.22	---	---	1.66	1980
1981	---	---	0.121	34.9	34.7	6.01	1.86	0.199	0.079	0.119	---	---	9.70	1981
1982	---	---	0	7.00	16.4	0.940	0.249	2.63	0.491	0.376	---	---	3.52	1982
1983	---	---	0.006	12.0	5.81	7.66	7.12	2.12	0.314	0.423	---	---	4.41	1983
1984	---	---	0.654	7.25	32.8	15.0	10.5	0.291	0.378	0.601	---	---	8.45	1984
1985	---	---	0.006	12.0	10.4	2.89	1.05	0.181	2.78	2.69	---	---	3.97	1985
1986	---	---	0.152	12.3	15.8	1.45	3.46	0.255	0.027	0.305	---	---	4.22	1986
1987	---	---	0	16.1	5.67	5.42	1.25	5.76	0.438	0.181	---	---	4.32	1987
1988	---	---	0.019	13.4	14.3	8.59	26.9	1.77	0.464	0.392	---	---	8.24	1988
1989	---	---	0.022	29.6	24.3	4.09	1.44	4.47	2.99	2.91	---	---	8.68	1989
1990	---	---	0.710	38.9	24.5	18.7	4.74	0.156	0.020	0.082	---	---	10.9	1990
MEAN	---	---	0.111	20.9	23.0	7.78	6.50	2.81	1.19	1.01	---	---	7.91	MEAN

LOCATION - LAT 56 18 32 N LONG 119 40 44 W DRAINAGE AREA, 2 880 km² NATURAL FLOW

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	162 ON JUL 11	133 ON JUL 11	0 B ON MAR 01 *	266 000	1972
1973	---	106 B ON APR 14	0 B ON MAR 01	260 000	1973
1974	430 E ON APR 25 *	408 E ON APR 25 *	0.057B ON MAR 14	480 000	1974
1975	39.1B AT 04:00 MST ON APR 19	31.7 B ON APR 19	0.003B ON MAR 01	97 000	1975
1976	55.5 AT 01:30 MST ON AUG 19	51.5 ON AUG 19	0 B ON MAR 01	131 000	1976
1977	167 AT 06:00 MST ON MAY 13	153 ON MAY 13	0.144B ON MAR 22	223 000	1977
1978	78.4 AT 10:30 MST ON MAY 23	75.6 ON MAY 23	0.003B ON MAR 01	104 000	1978
1979	84.3 AT 21:30 MST ON APR 28	64.0 ON APR 28	0.050B ON MAR 15	180 000	1979
1980	---	8.00E ON MAY 28	0 B ON MAR 01	35 100	1980
1981	207 AT 04:00 MST ON APR 25	180 ON APR 25	0 B ON MAR 04	205 000	1981
1982	46.3 AT 00:30 MST ON APR 24	31.9 ON APR 24	0 B ON MAR 01	74 500	1982
1983	57.8 AT 07:00 MST ON APR 23	51.9 ON APR 23	0 B ON MAR 01	93 300	1983
1984	219 AT 04:00 MST ON MAY 22	194 A ON MAY 22	0 B ON MAR 01	179 000	1984
1985	39.0B AT 20:30 MST ON APR 13	29.6 B ON APR 14	0 B ON MAR 01	84 000	1985
1986	32.4 AT 21:00 MST ON MAY 14	29.7 ON MAY 15	0 B ON MAR 01	89 200	1986
1987	50.6B AT 23:30 MST ON APR 12	45.9 B ON APR 12	0 B ON MAR 01	91 500	1987
1988	90.8 AT 12:30 MST ON JUL 13	84.7 ON JUL 13	0 B ON MAR 01	174 000	1988
1989	113 AT 19:00 MST ON APR 20	97.0 A ON APR 21	0.005B ON MAR 01	184 000	1989
1990	98.2 AT 19:30 MST ON JUN 12	83.4 ON APR 26	0.006 ON SEP 22	230 000	1990
				167 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	116	---	---	---	---	1966
1967	---	---	---	---	---	131	109	91.1	67.9	67.5	---	---	---	1967
1968	---	---	---	---	106	102	85.2	65.1	90.8	116	74.8	---	---	1968
1969	---	---	---	---	122	91.0	60.7	56.1	74.3	84.1	57.3	---	---	1969
1970	---	---	---	---	---	123	114	84.9	87.5	---	---	---	---	1970
1971	---	---	---	---	116	88.8	106	74.0	61.7	58.5	---	---	---	1971
1972	---	---	---	---	---	88.5	76.9	63.7	58.4	---	---	---	---	1972
1973	---	---	---	---	115	95.5	111	139	93.4	107	---	---	---	1973
1974	---	---	---	---	203	---	---	129	112	107	---	---	---	1974
1975	---	---	---	---	---	122	170	148	154	150	91.9	61.4	---	1975
1976	60.9	50.4	51.4	138	110	105	99.4	105	141	111	64.2	62.3	91.5	1976
1977	59.8	56.6	55.2	117	126	153	153	115	104	101	73.5	60.7	98.0	1977
1978	54.8	51.9	45.4	75.6	149	110	79.3	92.3	117	138	82.1	69.1	90.6	1978
1979	56.1	51.0	47.4	58.0	218	135	110	88.4	104	99.0	72.7	65.9	92.4	1979
1980	54.8	46.4	44.2	94.7	80.8	65.8	57.3	69.3	77.0	75.8	55.5	41.7	63.6	1980
1981	39.9	42.2	45.0	83.6	97.4	75.7	69.8	48.3	40.8	44.0	43.0	35.6	55.5	1981
1982	33.6	26.6	25.9	48.9	158	85.5	73.9	80.9	73.2	66.7	52.9	44.8	64.5	1982
1983	44.3	50.3	47.4	102	111	98.9	68.9	59.1	70.9	68.8	58.3	46.7	68.9	1983
1984	42.7	42.6	43.6	91.0	83.3	82.4	77.7	72.7	71.0	77.0	62.2	47.4	66.1	1984
1985	41.4	39.1	38.5	86.3	168	90.1	68.3	59.1	68.5	75.9	58.7	42.4	69.9	1985
1986	42.7	36.0	40.9	80.9	136	87.9	111	103	80.2	79.4	72.4	52.1	77.1	1986
1987	43.8	47.6	50.2	119	138	96.9	61.4	55.5	52.2	54.9	44.6	40.8	67.1	1987
1988	33.5	30.8	36.8	59.7	117	109	108	87.3	93.8	73.3	63.3	58.3	72.7	1988
1989	46.4	41.5	41.8	63.4	154	105	102	71.5	72.5	84.8	67.0	59.0	76.0	1989
1990	54.1	48.8	50.9	97.0	151	89.5	63.6	45.1	43.8	48.0	45.5	42.9	65.1	1990
MEAN	47.2	44.1	44.3	87.7	133	101	92.9	83.5	85.8	85.8	63.3	51.9	74.6	MEAN

LOCATION - LAT 56 39 40 N DRAINAGE AREA, 17 000 km²
LONG 110 55 40 W NATURAL FLOW

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	300 AT 17:00 MST ON AUG 07	292 ON AUG 07	---	---	1973
1974	---	---	---	---	1974
1975	234 AT 02:00 MST ON JUL 18	233 ON JUL 18	---	---	1975
1976	232 AT 02:00 MST ON APR 17	226 ON APR 17	28.3B ON NOV 25	2 890 000	1976
1977	219B AT 21:10 MST ON APR 21	194 ON JUN 03	45.3B ON NOV 23	3 090 000	1977
1978	240 AT 20:40 MST ON APR 29	221 ON APR 29	44.5B ON MAR 06	2 860 000	1978
1979	369 AT 16:45 MST ON MAY 15 *	366 ON MAY 16 *	46.4B ON MAR 08	2 920 000	1979
1980	175E ON APR 19	175B ON APR 19	34.5B ON DEC 27	2 010 000	1980
1981	119 AT 08:55 MST ON MAY 01	119 ON MAY 01	27.0B ON OCT 26	1 750 000	1981
1982	---	225E ON MAY 01	25.0B ON FEB 21 *	2 030 000	1982
1983	182 AT 09:09 MST ON APR 25	181 ON APR 25	37.0B ON NOV 25	2 170 000	1983
1984	139 AT 21:00 MST ON APR 14	129 ON APR 13	42.5B ON JAN 12	2 090 000	1984
1985	249 AT 08:12 MST ON MAY 06	247 ON MAY 06	37.7B ON MAR 16	2 200 000	1985
1986	152 AT 14:46 MST ON MAY 15	151 ON MAY 13	34.0B ON FEB 21	2 410 000	1986
1987	220 AT 13:11 MST ON APR 25	219 ON APR 25	37.5B ON NOV 17	2 120 000	1987
1988	154 AT 11:50 MST ON MAY 02	153 ON MAY 02	29.4B ON FEB 14	2 300 000	1988
1989	241 AT 12:26 MST ON MAY 23	239 ON MAY 23	40.5B ON MAR 25	2 400 000	1989
1990	219 AT 23:52 MST ON APR 25	212 ON APR 25	37.7B ON DEC 31	2 050 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 350 000	MEAN

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	39.3	35.5	20.7	16.6	12.0	---	---	---	1959
1960	---	---	---	---	11.0	25.7	30.9	20.0	11.1	8.16	---	---	17.8	1960
1961	---	---	---	---	18.7	30.6	21.0	23.8	12.2	9.92	---	---	19.4	1961
1962	---	---	---	---	17.5	24.3	26.7	21.7	14.0	9.05	---	---	18.9	1962
1963	---	---	---	---	11.3	35.1	48.9	28.0	17.9	10.3	---	---	25.2	1963
1964	---	---	---	---	25.6	61.8	45.5	19.2	17.0	12.9	---	---	30.2	1964
1965	---	---	---	---	---	78.2	64.5	31.7	27.5	18.7	---	---	---	1965
1966	---	---	---	---	24.0	29.6	41.4	30.4	19.2	11.3	---	---	26.6	1966
1967	---	---	---	---	18.0	45.4	28.7	19.4	13.4	7.84	---	---	22.0	1967
1968	---	---	---	---	11.7	30.7	32.5	24.1	16.1	12.3	---	---	21.2	1968
1969	---	---	---	---	25.8	38.8	56.5	26.0	14.9	9.86	---	---	28.7	1969
1970	---	---	---	---	14.4	42.8	26.3	16.3	9.80	7.10	---	---	19.4	1970
1971	---	---	---	---	17.2	39.3	23.4	19.1	10.6	7.32	---	---	19.4	1971
1972	---	---	---	---	13.0	61.7	43.2	29.6	18.6	11.9	---	---	29.6	1972
1973	---	---	---	---	20.0	37.1	30.0	21.0	14.8	9.11	---	---	23.3	1973
1974	---	---	---	---	18.8	57.2	37.3	23.6	15.0	10.7	---	---	27.0	1974
1975	---	---	---	---	9.33	18.5	26.2	15.8	9.49	6.80	---	---	14.4	1975
1976	---	---	---	---	12.3	15.3	24.0	25.8	17.4	8.83	---	---	17.3	1976
1977	---	---	---	---	14.8	27.9	18.9	23.2	14.4	10.0	---	---	18.2	1977
1978	---	---	---	---	13.1	48.4	39.6	24.8	22.2	11.7	---	---	26.5	1978
1979	---	---	---	---	16.0	24.6	22.7	18.4	12.1	8.58	---	---	17.0	1979
1980	---	---	---	---	18.4	48.6	24.9	20.6	15.1	11.3	---	---	23.1	1980
1981	---	---	---	---	32.3	30.4	69.2	45.6	19.7	10.9	---	---	34.7	1981
1982	---	---	---	---	10.8	33.7	31.9	17.6	14.7	11.3	---	---	19.9	1982
1983	---	---	---	---	15.3	26.8	32.8	18.3	12.7	5.42	---	---	18.5	1983
1984	---	---	---	---	6.48	32.8	23.1	17.2	12.5	10.8	---	---	17.1	1984
1985	---	---	---	---	10.6	16.1	19.7	17.6	24.4	12.2	---	---	16.7	1985
1986	---	---	---	---	26.0	38.4	37.7	23.1	17.1	20.3	---	---	27.1	1986
1987	---	---	---	---	12.7	19.3	25.9	22.5	14.8	9.90	---	---	17.5	1987
1988	---	---	---	---	9.29	22.4	17.2	21.5	13.4	11.5	---	---	15.8	1988
1989	---	---	---	---	13.3	23.9	23.6	28.8	23.6	11.8	---	---	20.8	1989
1990	---	---	---	---	27.8	61.8	40.3	23.7	13.5	9.44	---	---	29.4	1990
MEAN	---	---	---	---	16.8	36.5	33.5	23.1	15.8	10.7	---	---	22.1	MEAN

LOCATION - LAT 51 59 30 N DRAINAGE AREA, 1 340 km²
LONG 115 26 00 W NATURAL FLOW

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 05DB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	81.6 AT 07:00 MST ON JUN 13	70.8 ON JUN 27	---	---	1959
1960	49.6 AT 09:00 MST ON JUL 02	47.3 ON JUL 02	5.89 ON MAY 01	283 000	1960
1961	56.4 AT 06:00 MST ON MAY 28	52.4 ON MAY 27	4.93 ON MAY 01	308 000	1961
1962	40.8 AT 06:00 MST ON JUN 27	37.4 ON JUN 27	7.84 ON OCT 30	300 000	1962
1963	92.6 AT 17:00 MST ON JUL 25	77.6 ON JUL 17	6.63 ON MAY 19	401 000	1963
1964	211 AT 02:00 MST ON JUL 04	136 ON JUL 04	8.50E ON OCT 31	481 000	1964
1965	510 AT 18:00 MST ON JUN 18 *	283 ON JUN 18 *	---	---	1965
1966	108 AT 01:00 MST ON JUL 04	93.2 ON JUL 04	6.29 ON MAY 01	424 000	1966
1967	114 AT 02:45 MST ON MAY 31	86.9 ON MAY 31	4.25E ON MAY 04	350 000	1967
1968	57.8 AT 12:04 MST ON JUN 27	53.5 ON JUN 27	5.72 ON MAY 08	337 000	1968
1969	154 AT 10:40 MST ON JUL 05	147 ON JUL 05	7.65E ON OCT 31	456 000	1969
1970	209 AT 13:40 MST ON JUN 16	169 ON JUN 16	5.35 ON MAY 01	308 000	1970
1971	119 AT 12:00 MST ON JUN 06	99.1 ON JUN 06	6.29 ON OCT 27	309 000	1971
1972	199 AT 09:30 MST ON JUN 25	180 ON JUN 25	4.25 ON MAY 08	470 000	1972
1973	75.3 AT 16:00 MST ON JUN 24	69.1 ON JUN 24	7.65A ON OCT 31	371 000	1973
1974	120 AT 05:00 MST ON JUN 17	104 ON JUN 17	9.34 ON OCT 31	429 000	1974
1975	40.2 AT 17:00 MST ON JUL 14	39.1 ON JUL 14	4.73A ON MAY 02	228 000	1975
1976	46.7 AT 17:30 MST ON AUG 10	43.0 ON AUG 10	5.30 ON MAY 01	275 000	1976
1977	63.1 AT 07:30 MST ON JUN 09	57.5 ON JUN 09	4.81 ON MAY 02	289 000	1977
1978	92.6 AT 11:45 MST ON JUN 06	84.4 ON JUN 06	7.67 ON MAY 08	422 000	1978
1979	53.5 AT 12:00 MST ON MAY 27	46.7 ON MAY 27	7.37 ON OCT 25	271 000	1979
1980	75.5 AT 13:00 MST ON JUN 17	70.9 ON JUN 17	9.00E ON OCT 31	367 000	1980
1981	152 AT 17:10 MST ON JUL 30	137 ON JUL 15	6.01 ON MAY 01	552 000	1981
1982	58.5 AT 17:12 MST ON JUL 21	53.6 ON JUL 22	5.45 ON MAY 09	317 000	1982
1983	96.9 AT 14:54 MST ON JUL 03	75.8 ON JUL 03	1.19 ON OCT 26 *	295 000	1983
1984	84.2 AT 11:55 MST ON JUN 30	76.0 ON JUN 30	3.83 ON MAY 13	272 000	1984
1985	82.7 AT 08:19 MST ON SEP 13	73.4 ON SEP 13	5.19 ON MAY 13	266 000	1985
1986	117 AT 05:04 MST ON MAY 29	106 ON MAY 28	5.01 ON MAY 01	431 000	1986
1987	46.5 AT 21:56 MST ON JUL 05	42.5 ON JUL 06	8.64 ON OCT 30	278 000	1987
1988	102 AT 11:47 MST ON JUN 08	75.2 ON JUN 08	5.94 ON MAY 03	251 000	1988
1989	53.2 AT 01:02 MST ON AUG 17	45.8 ON AUG 17	8.49 ON MAY 23	331 000	1989
1990	270 E AT 02:15 MST ON JUN 02	193 E ON JUN 02	7.76A ON MAY 01	467 000	1990
				351 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	53.7	43.9	49.1	---	---	---	---	---	---	---	---	---	---	1931
1957	---	---	---	---	---	---	---	---	---	---	---	---	---	1957
1958	54.2	47.3	48.8	311	270	129	76.3	71.4	68.0	89.8	80.7	73.0	---	1958
1959	51.1	46.1	46.8	---	204	212	128	109	98.8 230	122 254	85.9 134	65.7 96.5	115 ---	1959
1960	76.2	65.9	59.7	159	348	354	317	348	430	212	127	83.0	215	1960
1961	80.8	73.1	70.6	98.3	306	168	162	104	76.4	68.9	60.3	43.4	110	1961
1962	39.3	34.6	41.3	49.9	346	478	467	195	152	145	112	89.2	180	1962
1963	72.9	60.5	57.0	186	290	152	94.5	80.1	88.9	83.7	71.5	49.7	107	1963
1964	43.9	46.1	47.3	80.1	253	163	99.2	114	107	107	73.6	55.6	99.3	1964
1965	51.9	43.5	43.6	87.4	228	203	178	157	188	149	99.7	74.4	126	1965
1966	59.2	47.1	42.4	124	209	259	167	180	166	127	75.2	64.9	127	1966
1967	69.5	64.9	57.6	68.3	348	209	148	130	83.1	79.3	69.9	60.1	116	1967
1968	34.3	33.4	44.5	82.9	131	120	106	82.8	125	169	117	61.6	92.4	1968
1969	63.3	53.6	56.5	253	240	152	83.0	68.3	112	138	74.9	67.7	114	1969
1970	50.0	44.6	39.6	157	212	198	414	190	209	193	118	78.1	159	1970
1971	63.0	55.5	55.9	210	218	130	242	119	80.7	73.3	56.0	49.0	113	1971
1972	41.9	36.4	44.1	72.0	365	146	108	74.6	65.4	95.5	74.1	56.6	98.7	1972
1973	48.5	49.7	49.4	124	156	275	201	336	243	247	152	95.9	165	1973
1974	75.9	63.7	57.3	308	488	310	272	195	159	138	105	84.7	189	1974
1975	73.2	68.1	61.5	122	297	235	327	267	274	225	135	87.8	182	1975
1976	80.1	66.4	54.5	184	151	249	199	176	271	189	102	69.2	141	1976
1977	71.8	65.6	61.9	146	196	245	214	157	133	129	84.0	72.4	132	1977
1978	60.7	57.2	56.9	123	236	179	107	111	225	219	111	82.0	131	1978
1979	69.5	59.4	54.0	68.2	330	274	208	159	207	173	130	120	155	1979
1980	72.4	56.9	51.5	146	109	101	75.9	231	200	156	99.0	58.7	113	1980
1981	49.3	52.9	57.9	117	151	107	115	66.6	44.1	50.0	47.3	39.3	75.0	1981
1982	37.8	29.3	29.7	73.4	249	134	102	119	95.5	79.3	57.9	45.9	88.2	1982
1983	49.9	56.1	55.8	127	137	133	131	127	120	105	86.8	61.4	99.4	1983
1984	52.0	51.0	52.7	135	150	214	150	101	100	110	86.8	63.4	105	1984
1985	52.3	51.6	51.8	127	404	182	122	81.6	76.5	87.3	69.4	48.9	113	1985
1986	48.4	47.7	47.8	179	186	127	202	106	99.5	88.1	79.6	62.4	108	1986
1987	55.9	57.4	57.4	179	204	155	85.1	85.1	73.7	71.3	54.0	47.1	97.8	1987
1988	37.9	33.6	41.8	74.7	143	139	219	124	120	86.9	74.6	56.6	97.1	1988
1989	52.5	49.2	45.3	82.0	236	196	187	105	102	126	85.2	74.9	112	1989
1990	67.1	59.0	60.2	157	320	200	106	61.8	56.9	61.2	49.9	48.9	104	1990
MEAN	57.7	52.1	51.5	136	246	195	176	142	144	130	89.4	67.6	124	MEAN

LOCATION - LAT 56 41 07 N DRAINAGE AREA, 30 800 km²
LONG 115 15 15 W NATURAL FLOW

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	566B ON APR 20	46.2B ON FEB 17	3 630 000	1959
1960	617 AT 20:00 MST ON JUL 26	612 ON SEP 08	58.9B ON MAR 26	6 800 000	1960
1961	---	425E ON MAY 08	41.6B ON DEC 31	3 460 000	1961
1962	714 AT 13:00 MST ON JUN 12	711 ON JUN 12	32.6B ON FEB 13	5 680 000	1962
1963	---	518 ON APR 29	40.2B ON DEC 16	3 390 000	1963
1964	311 AT 20:00 MST ON MAY 27	309 ON MAY 26	41.9B ON JAN 30	3 140 000	1964
1965	337 AT 18:00 MST ON APR 30	311 ON MAY 01	40.5B ON MAR 01	3 960 000	1965
1966	---	360 ON MAY 24	39.9B ON MAR 13	4 010 000	1966
1967	428B AT 14:00 MST ON MAY 05	405 ON MAY 09	48.1B ON DEC 31	3 660 000	1967
1968	---	219 ON SEP 29	30.3B ON JAN 15	2 920 000	1968
1969	---	566B ON APR 24	51.0B ON FEB 18	3 580 000	1969
1970	728 AT 04:00 MST ON JUL 03 *	708 ON JUL 03	37.4B ON MAR 17	5 030 000	1970
1971	---	521B ON APR 23	40.5B ON DEC 27	3 560 000	1971
1972	---	651E ON MAY 02	34.0B ON FEB 12	3 120 000	1972
1973	580 AT 01:00 MST ON AUG 08	572 ON AUG 08	46.2B ON JAN 07	5 210 000	1973
1974	---	790E ON APR 30 *	54.9B ON FEB 25	5 950 000	1974
1975	450 AT 12:00 MST ON JUL 19	450 ON JUL 19	59.5B ON MAR 26	5 730 000	1975
1976	371 AT 11:10 MST ON SEP 01	371 ON SEP 01	35.1B ON NOV 26	4 460 000	1976
1977	345 AT 23:18 MST ON JUN 02	343 ON JUN 03	52.2B ON NOV 23	4 150 000	1977
1978	317 AT 02:00 MST ON APR 30	311 ON SEP 26	53.2B ON FEB 27	4 130 000	1978
1979	561 AT 12:50 MST ON MAY 16	559 ON MAY 16	52.7B ON MAR 12	4 890 000	1979
1980	375B AT 18:10 MST ON APR 20	332 ON AUG 16	43.4B ON DEC 30	3 580 000	1980
1981	---	196E ON MAY 03	32.6B ON NOV 28	2 370 000	1981
1982	389 AT 06:50 MST ON MAY 02	360 ON MAY 02	26.2B ON FEB 19 *	2 780 000	1982
1983	225 AT 08:30 MST ON APR 25	224 ON APR 25	43.0B ON JAN 02	3 130 000	1983
1984	291 AT 09:00 MST ON JUN 07	291 ON JUN 07	51.0B ON FEB 07	3 330 000	1984
1985	562 AT 13:45 MST ON MAY 07	559 ON MAY 07	47.5B ON DEC 22	3 570 000	1985
1986	302 AT 19:39 MST ON JUL 22	301 ON JUL 23	45.0B ON MAR 10	3 420 000	1986
1987	324 AT 10:46 MST ON APR 24	322 ON APR 24	42.5B ON NOV 18	2 980 000	1987
1988	317 AT 13:36 MST ON JUL 17	316 ON JUL 17	32.9B ON FEB 13	3 070 000	1988
1989	372 AT 16:24 MST ON MAY 23	370 ON MAY 23	42.7B ON MAR 25	3 540 000	1989
1990	415 AT 19:53 MST ON MAY 08	411 ON MAY 08	44.5B ON NOV 13	3 290 000	1990
				3 920 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	7.87	6.05	4.35	---	1975
1976	4.09	4.21	5.00	8.06	13.2	18.1	25.6	31.5	19.5	10.8	7.03	5.34	12.7	1976
1977	4.43	5.64	4.56	7.17	26.9	34.3	21.9	25.2	18.8	13.1	8.88	5.54	14.7	1977
1978	5.08	5.51	6.19	10.4	22.5	59.6	45.4	29.3	26.4	16.0	8.68	6.76	20.2	1978
1979	5.38	5.23	7.83	9.14	18.8	26.5	23.1	18.6	13.0	9.09	6.43	3.29	12.2	1979
1980	2.66	3.68	4.36	10.8	21.3	59.1	32.0	24.4	19.1	15.1	2.44	8.49	17.5	1980
1981	6.52	5.48	6.29	6.59	40.7	34.5	77.8	56.9	23.8	15.3	10.3	5.82	24.4	1981
1982	3.76	3.53	1.94	7.60	13.9	34.6	44.3	22.7	17.2	12.8	7.89	6.54	14.8	1982
1983	3.72	4.97	6.71	10.6	19.1	28.3	37.4	19.3	13.2	9.83	7.42	1.87	13.6	1983
1984	5.20	5.37	5.96	7.02	7.42	35.1	23.6	17.0	15.3	12.5	7.08	4.65	12.2	1984
1985	4.12	3.44	4.89	8.82	13.4	17.7	19.6	20.3	33.2	15.5	8.60	7.43	13.1	1985
1986	5.71	4.52	7.24	7.84	32.5	43.4	60.3	29.1	25.7	29.3	15.3	9.20	22.6	1986
1987	6.96	6.77	6.77	9.43	13.7	19.1	30.3	29.9	18.5	12.2	9.39	4.47	14.0	1987
1988	3.23	4.46	5.10	8.52	10.1	25.2	20.8	23.4	16.6	14.8	8.38	6.05	12.2	1988
1989	4.12	4.09	3.93	10.5	20.9	28.4	28.5	37.3	34.3	17.2	13.7	7.64	17.6	1989
1990	6.83	4.73	6.79	13.3	38.1	96.5	52.9	28.7	15.6	12.0	8.92	5.81	24.2	1990
MEAN	4.79	4.78	5.57	9.05	20.8	37.4	36.2	27.6	20.7	14.0	8.97	5.83	16.4	MEAN

LOCATION - LAT 52 15 09 N LONG 114 51 14 W DRAINAGE AREA, 2 230 km² NATURAL FLOW

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	55.8 AT 15:40 MST ON AUG 09	50.7 ON AUG 11	3.20 B ON JAN 07	403 000	1976
1977	61.4 AT 01:00 MST ON JUN 10	56.1 ON JUN 09	3.62 B ON JAN 12	465 000	1977
1978	111 AT 07:30 MST ON JUN 07	106 ON JUN 07	4.50 B ON JAN 01	637 000	1978
1979	50.1 AT 05:30 MST ON MAY 28	45.4 ON MAY 28	1.20 B ON DEC 17	386 000	1979
1980	94.1 AT 00:30 MST ON JUN 18	87.2 ON JUN 05	2.40 B ON JAN 25	554 000	1980
1981	223 AT 15:00 MST ON JUL 31	194 ON JUL 31	3.00 B ON DEC 31	768 000	1981
1982	77.9 AT 21:12 MST ON JUL 05	73.3 ON JUL 06	0.780B ON APR 07 *	467 000	1982
1983	93.7 AT 14:45 MST ON JUL 04	84.5 ON JUL 04	1.58 B ON DEC 20	428 000	1983
1984	66.9 AT 08:01 MST ON JUN 10	65.1 ON JUN 10	3.97 B ON NOV 01	385 000	1984
1985	99.3 AT 07:37 MST ON SEP 14	94.2 ON SEP 14	2.76 B ON FEB 09	414 000	1985
1986	158 AT 21:34 MST ON JUL 18	136 ON JUL 18	3.40 B ON FEB 20	714 000	1986
1987	48.8 AT 01:41 MST ON JUL 27	46.3 ON JUL 27	2.14 B ON DEC 31	442 000	1987
1988	75.3 AT 09:30 MST ON JUN 09	68.5 ON JUN 09	1.76 B ON JAN 07	307 000	1988
1989	60.2 AT 00:19 MST ON AUG 18	56.4 ON AUG 18	2.65 B ON DEC 23	555 000	1989
1990	341 AT 03:57 MST ON JUN 03 *	274 ON JUN 03 *	3.30 B ON FEB 17	764 000	1990
				518 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	5.38	5.58	6.56	9.57	21.1	39.1	39.9	22.2	17.3	17.1	12.1	5.24	16.8	1914
1915	4.97	5.50	7.03	10.2	45.8	161	167	90.0	45.2	29.0	21.7	13.0	50.3	1915
1916	8.69	8.50	11.3	20.2	35.2	104	82.2	71.2	60.6	32.7	21.3	12.3	39.1	1916
1917	11.6	10.6	10.5	13.7	71.5	78.6	57.7	32.3	28.7	20.8	14.0	7.82	29.9	1917
1918	8.00	6.95	8.23	17.6	23.1	47.4	29.5	27.2	20.1	15.0	9.27	5.17	18.1	1918
1919	6.45	5.20	5.81	11.1	21.5	20.9	21.3	31.4	22.6	14.0	7.41	4.80	14.4	1919
1920	4.05	5.33	5.84	11.5	65.3	51.2	68.1	30.1	18.0	11.8	8.13	5.31	23.8	1920
1921	4.97	5.15	5.08	17.3	31.5	36.0	30.2	23.4	13.1	10.1	7.84	4.55	15.8	1921
1922	4.95	5.43	5.29	14.7	38.7	37.5	29.6	28.8	21.8	14.7	8.09	4.82	18.7	1922
1923	4.27	4.01	5.95	14.2	22.6	165	87.2	37.3	44.5	23.7	15.4	8.59	39.5	1923
1924	7.84	7.13	7.28	16.0	55.1	58.1	49.4	55.9	29.1	19.7	12.2	6.70	27.1	1924
1925	7.81	6.77	5.95	25.9	26.1	59.3	40.0	90.4	74.3	43.7	21.8	10.8	34.5	1925
1926	11.6	11.7	11.7	20.3	16.3	35.3	39.6	28.3	139	51.1	27.6	12.8	33.7	1926
1927	8.97	9.05	9.79	28.1	27.2	66.7	72.5	52.0	46.0	29.3	12.5	5.28	30.7	1927
1928	9.89	9.58	12.9	23.0	20.9	155	98.6	34.8	23.6	16.9	11.7	6.90	35.2	1928
1929	5.88	5.62	6.57	10.3	29.6	69.9	23.5	23.6	17.8	11.0	8.28	6.32	18.2	1929
1930	5.42	6.69	6.34	19.2	28.3	48.2	38.2	25.6	20.6	14.6	9.29	6.38	19.1	1930
1931	5.36	5.96	7.14	10.3	---	---	---	---	---	---	---	---	---	1931
1944	---	---	6.53	11.6	29.4	92.0	56.8	73.9	35.7	25.7	---	---	---	1944
1945	---	---	9.83	13.4	53.9	61.7	47.3	41.0	34.3	32.3	---	---	---	1945
1946	---	---	9.41	19.5	27.0	81.1	48.4	29.7	27.3	19.1	---	---	---	1946
1947	---	---	14.9	28.1	35.9	61.6	48.1	32.0	27.3	22.0	---	---	---	1947
1948	---	---	5.92	17.6	116	77.9	40.3	44.1	24.2	16.8	---	---	---	1948
1949	---	---	5.89	14.6	16.5	19.7	23.4	17.4	12.7	11.1	---	---	---	1949
1950	---	---	3.73	18.3	17.3	45.6	42.8	28.1	15.6	9.98	---	---	---	1950
1951	---	---	5.01	8.72	45.5	48.9	62.8	34.2	46.1	28.6	---	---	---	1951
1952	---	---	10.0	36.1	24.8	111	76.9	49.8	28.8	19.1	---	---	---	1952
1953	---	---	9.61	17.7	40.7	94.0	67.1	41.9	29.3	17.9	12.9	8.83	---	1953
1954	5.40	9.08	6.75	8.74	56.8	92.8	58.4	83.8	83.6	37.1	24.0	19.9	40.7	1954
1955	12.4	8.13	7.75	36.7	45.0	61.4	47.4	24.0	18.6	14.1	8.22	6.33	24.2	1955
1956	5.57	5.00	11.7	16.7	24.8	37.7	37.3	25.1	19.1	12.7	8.90	6.58	17.6	1956
1957	5.05	4.37	5.85	19.1	41.5	35.7	24.8	25.0	23.7	21.1	15.0	10.7	19.4	1957
1958	8.98	6.75	9.48	14.8	39.3	46.3	59.4	29.4	21.6	15.1	10.4	8.80	22.6	1958
1959	7.35	7.70	11.6	12.9	19.9	58.9	48.9	29.9	22.8	19.6	15.5	9.75	22.1	1959
1960	7.68	9.80	12.2	19.3	28.8	36.4	39.6	25.6	16.2	13.2	11.2	7.06	19.0	1960
1961	5.35	5.98	9.96	8.21	29.0	34.5	25.7	29.6	16.5	14.0	6.13	5.20	15.9	1961
1962	6.00	8.63	7.51	18.2	23.8	32.7	36.4	32.0	21.2	14.3	9.65	7.10	18.2	1962
1963	6.37	5.67	8.88	22.5	22.4	48.1	72.5	42.5	29.9	18.9	11.6	7.05	24.7	1963
1964	7.56	9.13	8.39	17.1	56.7	95.7	63.4	24.0	23.2	20.0	17.8	10.3	29.5	1964
1965	5.74	7.78	10.9	21.9	26.0	127	121	46.3	63.0	37.6	23.6	15.6	42.3	1965
1966	10.9	9.85	10.6	15.6	30.2	36.4	63.6	47.6	28.7	21.1	12.9	10.4	25.0	1966
1967	6.68	7.21	7.54	12.9	37.4	74.2	37.0	24.9	16.8	12.6	9.34	6.01	21.1	1967
1968	4.82	5.93	10.3	10.9	17.7	36.0	41.8	35.4	24.3	20.5	16.3	8.21	19.4	1968
1969	8.55	8.41	8.17	16.8	38.2	49.2	97.4	39.6	24.0	17.1	12.8	9.68	27.7	1969
1970	6.60	7.90	7.00	12.3	31.0	70.7	45.6	24.0	16.6	13.1	6.45	7.76	20.8	1970
1971	5.17	5.11	5.17	20.4	26.4	58.5	33.7	23.7	15.3	11.1	8.19	5.39	18.2	1971
1972	5.13	5.70	9.96	14.5	23.6	103	72.9	38.8	32.5	23.8	14.1	10.2	29.5	1972
1973	8.80	6.90	8.74	25.8	51.5	56.6	43.0	29.7	22.4	15.4	11.0	9.35	24.2	1973
1974	7.30	8.13	7.53	19.5	54.5	76.1	51.5	34.1	25.6	21.7	13.5	7.88	27.4	1974
1975	6.48	6.93	6.80	9.17	21.3	27.6	31.6	21.4	---	---	---	---	---	1975
MEAN	7.00	7.12	8.26	17.0	35.3	65.8	54.0	38.4	31.0	20.2	13.0	8.33	25.6	MEAN

LOCATION - LAT 52 20 40 N DRAINAGE AREA, 3 220 km²
LONG 114 56 10 W NATURAL FLOW

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	64.6 ON JUN 08	3.54B ON DEC 17	530 000	1914
1915	---	1 110 ON JUN 27 *	4.53B ON JAN 01	1 590 000	1915
1916	---	221 ON JUN 20	7.33B ON JAN 24	1 240 000	1916
1917	---	174 ON MAY 17	3.79B ON DEC 12	944 000	1917
1918	---	119 ON JUN 15	3.57B ON DEC 22	573 000	1918
1919	---	42.2 ON AUG 09	2.70B ON DEC 10	455 000	1919
1920	---	178 ON MAY 09	3.34B ON JAN 23	754 000	1920
1921	---	56.9 ON JUN 07	1.90B ON DEC 22	499 000	1921
1922	75.3 AT 19:00 MST ON AUG 17	72.5 ON AUG 17	2.55B ON MAR 28	591 000	1922
1923	---	320 ON JUN 02	2.07B ON JAN 27	1 240 000	1923
1924	153 AT 20:00 MST ON MAY 01	115 ON MAY 01	2.29B ON DEC 19	858 000	1924
1925	328 AT 18:00 MST ON AUG 17	274 ON AUG 17	4.11B ON MAR 15	1 090 000	1925
1926	---	233 ON SEP 02	6.37B ON APR 01	1 060 000	1926
1927	117 AT 10:00 MST ON JUL 28	113 ON JUL 28	4.50B ON DEC 29	968 000	1927
1928	267 AT 10:00 MST ON JUN 19	259 ON JUN 19	4.93B ON JAN 01	1 110 000	1928
1929	253 AT 18:00 MST ON JUN 03	230 ON JUN 03	4.64B ON JAN 27	974 000	1929
1930	---	66.3 ON JUN 11	4.81B ON DEC 26	603 000	1930
1931	---	---	2.10B ON JAN 20	---	1931
1944	---	231 ON JUN 15	---	---	1944
1945	---	103 ON JUN 01	---	---	1945
1946	---	144 ON JUN 23	---	---	1946
1947	---	119 ON JUN 28	---	---	1947
1948	---	289 ON MAY 24	---	---	1948
1949	---	46.2 ON JUL 21	---	---	1949
1950	---	137 ON JUN 15	---	---	1950
1951	---	90.6 ON MAY 05	---	---	1951
1952	425 AT 15:00 MST ON JUN 24	411 ON JUN 24	---	---	1952
1953	171 AT 14:00 MST ON JUN 04	167 ON JUN 04	---	---	1953
1954	385 AT 12:00 MST ON AUG 26	357 ON AUG 26	2.94B ON MAR 28	1 280 000	1954
1955	96.3 AT 23:45 MST ON JUN 13	89.5 ON JUN 14	3.14B ON NOV 12	764 000	1955
1956	---	53.8A ON JUN 21	3.99B ON FEB 04	558 000	1956
1957	78.4 AT 18:00 MST ON APR 30	68.5 ON MAY 01	4.25B ON JAN 04	612 000	1957
1958	104 AT 23:00 MST ON JUL 02	98.3 ON JUL 02	2.32B ON DEC 10	714 000	1958
1959	146 AT 06:00 MST ON JUN 28	135 ON JUN 28	3.45B ON JAN 07	698 000	1959
1960	63.7 AT 02:00 MST ON JUL 03	62.0 ON JUL 02	2.27B ON DEC 06	600 000	1960
1961	62.9 AT 06:00 MST ON JUL 03	59.2 ON MAY 28	2.55B ON JAN 30	502 000	1961
1962	62.0 AT 01:00 MST ON MAY 21	55.5 ON MAY 21	2.38B ON JAN 09	574 000	1962
1963	147 AT 03:00 MST ON JUL 17	138 ON JUL 17	1.87B ON DEC 21 *	780 000	1963
1964	189 AT 22:00 MST ON MAY 07	168 ON MAY 07	2.94B ON MAR 25	932 000	1964
1965	524 AT 18:00 MST ON JUN 19 *	385 ON JUN 19	4.45B ON JAN 28	1 330 000	1965
1966	180 AT 19:00 MST ON JUL 04	162 ON JUL 05	3.57B ON DEC 01	787 000	1966
1967	152 AT 03:00 MST ON JUN 01	138 ON JUN 01	3.34B ON JAN 26	665 000	1967
1968	74.2 AT 19:00 MST ON JUL 21	69.4 ON JUL 22	3.11B ON JAN 06	614 000	1968
1969	286 AT 10:20 MST ON JUL 07	274 ON JUL 06	7.79B ON DEC 31	873 000	1969
1970	399 A AT 15:00 MST ON JUN 17	340 A ON JUN 17	3.79B ON NOV 23	656 000	1970
1971	146 AT 07:00 MST ON JUN 07	138 ON JUN 07	4.45B ON MAR 02	574 000	1971
1972	467 AT 08:00 MST ON JUN 26	442 ON JUN 26	4.79B ON JAN 03	932 000	1972
1973	98.8 AT 18:00 MST ON MAY 28	95.4 ON MAY 28	5.66B ON JAN 28	763 000	1973
1974	121 AT 04:30 MST ON JUN 18	115 ON JUN 18	5.66B ON DEC 28	863 000	1974
1975	45.3 AT 16:30 MST ON JUN 26	42.8 ON JUN 27	---	---	1975
				809 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLUNY SPILLWAY NEAR CLUNY - STATION NO. 05BM013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.257	0.163	0.333	0.321	0.054	---	---	---	1965
1966	---	---	0.728	0.188	0.165	0.288	0.494	0.156	0.084	0.125	---	---	0.219	1966
1967	---	---	---	---	---	0.119	0.042	0.030	0.025	0.008	---	---	---	1967
1968	---	---	---	---	0.108	0.142	0.121	0.122	0.095	0.100	---	---	0.115	1968
1969	---	---	---	---	0.061	0.267	0.194	0.055	0.154	0.152	---	---	0.146	1969
1970	---	---	---	---	0.144	0.242	0.206	0.178	0.049	0.035	---	---	0.142	1970
MEAN	---	---	0.728	0.188	0.120	0.219	0.203	0.146	0.121	0.079	---	---	0.156	MEAN

LOCATION - LAT 50 48 55 N LONG 112 54 18 W DRAINAGE AREA, 179 km² REGULATED

CLUNY SPILLWAY NEAR CLUNY - STATION NO. 05BM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	1.05 ON JUN 28	0 ON OCT 19 *	---	1965
1966	---	4.39 ON JUL 03 *	0.054E ON OCT 11	3 480	1966
1967	---	---	0 ON AUG 25	---	1967
1968	---	0.620 ON OCT 29	0.013 ON SEP 16	1 820	1968
1969	---	1.95 ON JUN 29	0 ON AUG 18	2 330	1969
1970	---	0.988 ON JUN 14	0 ON SEP 17	2 260	1970
				2 470	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COAL CREEK AT BOW CITY - STATION NO. 05BN014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.299	0.068	0.313	0.061	0.393	0.003	---	---	1965
1966	---	---	---	---	0.006	0.071	0.047	0.121	0.064	0.104	---	---	0.069	1966
1967	---	---	---	0.195	0.402	0.148	0.081	0.122	0.058	0.276	---	---	0.182	1967
1968	---	---	---	---	0.197	0.334	0.214	0.338	0.424	0.388	---	---	0.315	1968
1969	---	---	---	---	0.181	0.323	0.112	0.274	0.187	0.272	---	---	0.225	1969
1970	---	---	---	---	0.185	0.333	0.163	0.253	0.277	0.142	---	---	0.225	1970
1971	---	---	---	---	0.097	0.110	0.124	0.236	0.240	0.111	---	---	0.153	1971
1972	---	---	---	---	0.082	0.169	0.146	0.212	0.185	0.143	---	---	0.156	1972
1973	---	---	---	---	0.100	0.255	0.147	0.212	0.277	0.096	---	---	0.180	1973
1974	---	---	---	---	0.010	0.169	0.146	0.212	0.216	0.167	---	---	0.153	1974
1975	---	---	---	---	0.128	0.109	0.060	0.213	0.297	0.095	---	---	0.150	1975
1976	---	---	---	---	0.082	0.061	0.084	0.123	0.074	0.072	---	---	0.083	1976
1977	---	---	---	---	0.069	0.049	0.148	0.144	0.088	0.016	---	---	0.086	1977
1978	---	---	---	---	0.008	0.033	0.060	0.096	0.020	0.029	---	---	0.045	1978
1979	---	---	---	---	0.024	0.203	0.087	0.472	0.218	0.172	---	---	0.196	1979
1980	---	---	---	---	0.197	0.151	0.323	0.401	0.128	0.100	---	---	0.218	1980
1981	---	---	---	---	0.194	0.327	0.267	0.156	0.094	0.137	---	---	0.196	1981
1982	---	---	---	---	0.124	0.282	0.328	0.223	0.156	0.142	---	---	0.209	1982
1983	---	---	---	---	0.118	0.256	0.233	0.282	0.161	0.163	---	---	0.202	1983
1984	---	---	---	---	0.245	0.209	0.141	0.302	0.100	0.061	---	---	0.177	1984
1985	---	---	---	---	0.122	0.338	0.425	0.445	0.034	0.023	---	---	0.232	1985
1986	---	---	---	---	0.192	0.348	0.536	0.305	0.089	0.027	---	---	0.250	1986
1989	---	---	---	---	0.228	0.354	0.202	0.292	0.178	---	---	---	---	1989
1990	---	---	---	---	0.171	0.157	0.338	0.351	0.071	0.111	---	---	0.201	1990
MEAN	---	---	---	0.195	0.137	0.212	0.188	0.254	0.154	0.141	0.003	---	0.177	MEAN

LOCATION - LAT 50 25 50 N DRAINAGE AREA, 86.8 km²
LONG 112 13 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1966

COAL CREEK AT BOW CITY - STATION NO. 05BN014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	0.949 ON OCT 21	0 ON JUL 14 *	---	1965
1966	---	0.263 ON AUG 20	0 ON MAY 22	1 100	1966
1967	---	1.93 ON MAY 06	0.003 ON SEP 23	2 690	1967
1968	---	2.33 ON SEP 22 *	0.006 ON SEP 10	5 010	1968
1969	---	0.895 ON MAY 29	0.003 ON AUG 09	3 570	1969
1970	---	1.42 ON JUL 02	0.003 ON JUL 18	3 570	1970
1971	---	0.283 ON OCT 23	0.003 ON JUN 21	2 430	1971
1972	---	0.496 ON SEP 06	0.006E ON MAY 01	2 480	1972
1973	---	0.572 ON JUN 17	0 ON MAY 07	2 870	1973
1974	---	0.436 ON OCT 15	0 ON MAY 11	2 430	1974
1975	---	0.830 ON MAY 07	0 ON MAY 17	2 380	1975
1976	---	0.343 ON AUG 06	0 ON MAY 01	1 310	1976
1977	---	0.297 ON AUG 14	0.002 ON OCT 28	1 370	1977
1978	---	0.515 ON AUG 23	0 ON MAY 21	708	1978
1979	---	0.818 ON AUG 10	0 ON MAY 26	3 110	1979
1980	---	0.657 ON JUL 28	0.002 ON MAY 12	3 460	1980
1981	---	0.750 ON JUN 15	0 ON MAY 01	3 110	1981
1982	---	0.726 ON JUN 07	0 ON MAY 01	3 320	1982
1983	---	0.652 ON AUG 16	0.002 ON MAY 10	3 210	1983
1984	0.644 AT 09:57 MST ON SEP 11	0.627 ON SEP 10	0 ON MAY 01	2 810	1984
1985	---	0.708 ON AUG 19	0 ON MAY 07	3 680	1985
1986	---	0.735 ON MAY 01	0 ON OCT 29	3 970	1986
1989	---	---	---	---	1989
1990	1.30 AT 11:29 MST ON AUG 16 *	0.988 ON AUG 14	0.001 ON MAY 02	3 190	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 820	MEAN

COAL CREEK NEAR ORION - STATION NO. 05AF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.069	0.031	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	0.069	0.031	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 15 45 N DRAINAGE AREA, 130 km²
LONG 110 51 10 W NATURAL FLOW

COAL CREEK NEAR ORION - STATION NO. 05AF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.292 ON MAR 22 *	0 ON MAR 01 *	---	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COLQUHOUN CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.387	0.162	0.683	0.068	0	0	---	---	---	1983
1984	---	---	0.028	0.035	0.096	0.264	0.020	0.001	0.004	0.008	---	---	0.056	1984
1985	---	---	0.476	0.267	0.016	0.002	0.001	0.001	0.002	0.005	---	---	0.096	1985
1986	---	---	0.496	0.726	0.380	0.023	0.010	0	0	0	---	---	0.204	1986
1987	---	---	0.145	1.26	0.013	0.008	0.020	0.007	0.001	0	---	---	0.179	1987
1988	---	---	0.054	0.033	0.002	0.009	0.001	0	0	0	---	---	0.012	1988
1989	---	---	0	0.183	0.008	0	0.010	0.001	0.003	0.001	---	---	0.025	1989
1990	---	---	0.113	0.064	0.032	1.17	0.038	0	0.001	0	---	---	0.175	1990
MEAN	---	---	0.187	0.367	0.117	0.205	0.098	0.010	0.001	0.002	---	---	0.107	MEAN

LOCATION - LAT 55 17 07 N LONG 119 08 43 W DRAINAGE AREA, 130 km²

COLQUHOUN CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	23.8 AT 18:59 MST ON APR 16	13.9 ON APR 16	0 ON JUN 10 *	---	1983
1984	2.55 AT 03:00 MST ON JUN 08	2.30 ON JUN 08	0B ON MAR 01	1 190	1984
1985	3.25 B ON MAR 18	3.16 B ON MAR 18	0B ON MAR 01	2 040	1985
1986	14.2 B AT 19:00 MST ON MAR 27	4.88 B ON MAR 28	0 ON MAY 19	4 310	1986
1987	11.0 B AT 22:30 MST ON APR 02	7.87 B ON APR 03	0B ON MAR 01	3 790	1987
1988	0.282B AT 09:30 MST ON MAR 14	0.246B ON MAR 14	0B ON MAR 01	262	1988
1989	0.627B AT 12:55 MST ON APR 08	0.582B ON APR 06	0B ON MAR 01	535	1989
1990	31.8 AT 10:00 MST ON JUN 12 *	22.6 A ON JUN 12 *	0 ON AUG 06	3 690	1990
				2 260	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLUMBINE CREEK NEAR GLENDON - STATION NO. 06AA901

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.323	0.003	0.003	0.007	0.010	---	---	---	---	1979
1980	---	---	---	1.32	0.106	0.240	0.103	0.059	0.050	---	---	---	---	1980
1981	---	---	---	0.575	0.027	0.104	0.012	0.001	0.006	---	---	---	---	1981
1982	---	---	---	0.728	0.110	0.007	0.024	0.005	0.004	0.002	---	---	---	1982
MEAN	---	---	---	0.874	0.142	0.089	0.036	0.018	0.018	0.002	---	---	---	MEAN

LOCATION - LAT 54 21 15 N LONG 111 08 40 W DRAINAGE AREA, 241 km² NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

COLUMBINE CREEK NEAR GLENDON - STATION NO. 06AA901

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	9.90 AT 21:15 MST ON APR 24 *	9.23 ON APR 24 *	0 ON JUN 01 *	---	1979
1980	---	5.13B ON APR 12	0B ON APR 01	---	1980
1981	4.23 ON MAR 30	3.91B ON MAR 30	0 ON JUN 13	---	1981
1982	4.46 AT 07:59 MST ON APR 25	4.07B ON APR 25	0B ON APR 01	---	1982
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLUMBINE CREEK NEAR THE MOUTH - STATION NO. 06AA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0.006	0.007	0.002	---	---	---	1982
1983	---	---	0.001	0.045	0.008	0.003	0.008	0.002	0.005	0.013	---	---	0.011	1983
1984	---	---	0.163	0.175	0.054	0.061	0.007	0.002	0.011	0.001	---	---	0.059	1984
1985	---	---	0.002	1.30	0.075	0.019	0.006	0.003	0.002	0.004	---	---	0.173	1985
1986	---	---	0.277	0.275	0.065	0.004	0.004	0.010	0.003	0.014	---	---	0.082	1986
1987	---	---	---	0.796	0.012	0	0	0.002	0.001	0.001	---	---	---	1987
1988	---	---	---	0.001	0.019	0.017	0.003	0.008	0	0.001	---	---	---	1988
1989	---	---	---	0.041	0.036	0.019	0.001	0.002	0.005	0.001	---	---	---	1989
1990	---	---	---	1.01	0.023	0.014	0.014	0.008	0.006	0.001	---	---	---	1990
MEAN	---	---	0.111	0.455	0.037	0.017	0.005	0.005	0.004	0.004	---	---	0.081	MEAN

LOCATION - LAT 54 21 21 N LONG 111 08 22 W DRAINAGE AREA, 241 km² NATURAL FLOW

COLUMBINE CREEK NEAR THE MOUTH - STATION NO. 06AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	0.129B ON APR 10	0.001B ON MAR 01	226	1983
1984	---	1.70 B ON MAR 29	0.001B ON MAR 01	1 250	1984
1985	9.00 B AT 04:25 MST ON APR 03 *	8.31 B ON APR 03 *	0.001B ON MAR 01	3 670	1985
1986	1.69 AT 08:50 MST ON MAR 31	1.51 B ON APR 01	0 B ON MAR 01 *	1 730	1986
1987	3.04 B AT 08:39 MST ON APR 08	2.83 B ON APR 08	0 B ON APR 01	---	1987
1988	0.068 AT 09:00 MST ON MAY 17	0.054 ON MAY 17	0 B ON APR 01	---	1988
1989	0.111B AT 01:01 MST ON APR 13	---	---	---	1989
1990	5.85 ON APR 05	5.85 B ON APR 05	0 B ON MAR 29	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 720	MEAN

CONJURING CREEK NEAR WIZARD LAKE - STATION NO. 05DF002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	---	0.008	---	---	---	1924
1925	---	---	---	0.422	0.106	0.103	0.031	0.012	0.013	0.012	---	---	---	1925
1926	---	---	0.105	0.177	0.075	0.106	0.017	0.016	0.150	0.077	---	---	0.090	1926
1927	---	---	0	0.473	0.952	0.176	0.423	0.107	0.004	---	---	---	---	1927
1928	---	---	---	0.040	0.040	0.022	0.052	0.033	0.009	0.012	---	---	---	1928
1929	---	---	---	0.015	0.049	0.035	0.003	0	---	---	---	---	---	1929
1931	---	---	---	0	0	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.053	0.188	0.204	0.088	0.105	0.034	0.044	0.027	---	---	0.090	MEAN

LOCATION - LAT 53 06 25 N LONG 113 49 30 W DRAINAGE AREA, 34.2 km² NATURAL FLOW

CONJURING CREEK NEAR WIZARD LAKE - STATION NO. 05DF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	1.27 ON APR 12	0B ON APR 01 *	---	1925
1926	---	0.294B ON MAR 17	0B ON MAR 01	1 900	1926
1927	---	1.90 ON MAY 05 *	0B ON MAR 01	---	1927
1928	---	0.076 ON JUL 22	0 ON SEP 20	---	1928
1929	---	0.065 ON APR 28	0B ON APR 01	---	1929
1931	---	---	0 ON APR 01	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 900	MEAN

CONNELLY CREEK NEAR LUNDBRECK - STATION NO. 05AA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	1909
MEAN	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	MEAN

LOCATION - LAT 49 35 50 N LONG 114 08 15 W DRAINAGE AREA, 51.5 km² NATURAL FLOW

CONNELLY CREEK NEAR LUNDBRECK - STATION NO. 05AA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
				---	MEAN

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.329	---	---	---	---	---	---	---	---	---	1975
1976	---	---	0.014	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.016	0.784	0.717	---	---	---	---	---	---	---	---	1977
1978	---	---	0.403	0.265	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0.351	0.931	0.341	0.591	0.532	---	---	---	---	---	---	1979
MEAN	---	---	0.157	0.577	0.529	0.591	0.532	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 02 53 N LONG 115 02 31 W DRAINAGE AREA, 64.5 km² NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0B ON MAR 01 *	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	5.15 ON JUL 12 *	0B ON FEB 26	---	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.074	0.003	0.003	---	---	---	1972
1973	---	---	0.107	0.606	0.336	0.746	0.088	0.024	0.033	0.091	---	---	0.251	1973
1980	---	---	0.016	2.02	0.156	0.534	0.294	0.344	0.031	0.003	---	---	0.419	1980
1981	---	---	1.08	0.709	0.187	0.079	0.007	0.021	0.001	0.001	---	---	0.260	1981
1982	---	---	0	2.96	0.448	0.170	0.372	0.030	0	0	---	---	0.491	1982
1983	---	---	0	0.587	0.023	0.064	0.643	0.122	0.074	0.001	---	---	0.189	1983
1984	---	---	0.122	0.048	0.010	0.274	0.004	0	0	0	---	---	0.057	1984
1985	---	---	0.880	1.15	0.072	0.700	0.071	0.008	0.005	0.012	---	---	0.359	1985
1986	---	---	1.70	1.53	0.316	0.054	0.044	0.042	0	0	---	---	0.460	1986
1987	---	---	---	0.830	0.135	0.060	0.015	0.006	0.002	0.001	---	---	---	1987
1988	---	---	0.017	0.015	0.011	0.016	0.580	0.007	0	0	---	---	0.082	1988
MEAN	---	---	0.436	1.05	0.169	0.270	0.212	0.062	0.014	0.010	---	---	0.285	MEAN

LOCATION - LAT 54 01 23 N LONG 114 56 39 W DRAINAGE AREA, 165 km^2 NATURAL FLOW

CONNOR CREEK NEAR SANGUDO - STATION NO. 07BB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 ON SEP 15 *	---	1972
1973	---	2.40 ON JUN 27	0B ON MAR 01	5 320	1973
1980	5.52 AT 06:00 MST ON APR 11	5.43 ON APR 11	0B ON MAR 01	8 870	1980
1981	4.52 AT 16:00 MST ON MAR 16	4.28B ON MAR 16	0 ON JUL 12	5 500	1981
1982	14.7 AT 08:25 MST ON APR 24 *	14.5 ON APR 24 *	0B ON MAR 01	10 400	1982
1983	2.38 AT 04:00 MST ON APR 08	2.29B ON APR 08	0B ON MAR 01	3 990	1983
1984	2.51 AT 00:50 MST ON JUN 10	2.38 ON JUN 10	0B ON MAR 01	1 200	1984
1985	5.73 AT 23:10 MST ON JUN 25	5.13 ON JUN 26	0B ON MAR 01	7 600	1985
1986	4.01B AT 06:20 MST ON MAR 29	4.66B ON MAR 29	0 ON AUG 21	9 730	1986
1987	4.33B AT 18:29 MST ON APR 05	4.18B ON APR 05	0B ON MAR 31	---	1987
1988	5.53 AT 04:33 MST ON JUL 08	5.26 ON JUL 08	0B ON MAR 01	1 730	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 040	MEAN

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO. 05EB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.004	---	---	0	---	---	---	---	---	1920
1922	---	---	---	0	0	0	0	0	0	0	0	---	---	1922
MEAN	---	---	---	0	0.002	0	0	0	0	0	0	---	---	MEAN

LOCATION - LAT 53 26 30 N LONG 112 56 20 W DRAINAGE AREA, 196 km^2 NATURAL FLOW

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO. 05EB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON AUG 01 *	---	1920
1922	---	0.004 ON APR 15 *	0 ON APR 01	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD903

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.299	0.455	0.093	0.057	0.065	0.064	---	---	0.171	1982
1983	---	---	---	---	0.202	0.075	0.020	0.012	0.029	---	---	---	---	1983
1984	---	---	---	0.097	0.066	0.053	0.008	0	0	0	---	---	0.021	1984
1985	---	---	---	0.211	0.104	0.080	0.009	0.020	---	---	---	---	---	1985
1986	---	---	0.326	0.369	0.602	0.213	0.064	0.043	0.160	0.298	---	---	0.231	1986
1987	---	---	0.347	0.636	0.203	0.073	---	---	0.179	0.123	---	---	---	1987
1988	---	---	---	0.274	0.202	0.069	---	---	0.032	0.042	---	---	---	1988
1989	---	---	---	0.315	0.439	0.524	0.189	0.302	0.216	0.170	---	---	0.306	1989
MEAN	---	---	0.337	0.317	0.265	0.193	0.064	0.072	0.097	0.116	---	---	0.182	MEAN

LOCATION - LAT 49 08 35 N LONG 113 50 50 W
DRAINAGE AREA, 34.2 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	1.85 AT 05:10 MST ON MAY 31	1.48 ON MAY 31	0.046 ON SEP 09	2 720	1982
1983	0.530 AT 23:25 MST ON MAY 17	0.439 ON MAY 17	---	---	1983
1984	0.334 AT 06:45 MST ON APR 20	0.221 ON JUN 22	0 ON JUL 11 *	337	1984
1985	---	---	0 ON JUL 07	---	1985
1986	---	1.30 ON MAY 06	0.028 ON AUG 19	3 670	1986
1987	2.23 ON JUL 22	2.23 A ON JUL 22 *	0.045 ON JUN 26	---	1987
1988	2.00 AT 09:06 MST ON MAY 07	0.779 ON MAY 07	---	---	1988
1989	2.43 AT 13:35 MST ON JUN 11 *	2.11 ON JUN 11	0.118 ON AUG 06	4 870	1989
				2 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0.299	0.155	0.159	---	---	---	1923
1924	---	---	0.023	0.302	0.267	1.26	0.194	0.330	0.116	0.152	---	---	0.328	1924
1925	---	---	---	---	0.542	0.422	0.092	0.080	0.131	0.300	---	---	---	1925
1926	---	---	0.106	0.258	0.120	0.165	0.073	0.070	0.269	0.259	---	---	0.164	1926
1927	---	---	0.027	0.601	2.35	2.52	0.497	0.465	0.570	0.953	---	---	0.996	1927
1928	---	---	0.653	0.647	0.678	1.08	1.14	0.296	0.176	0.228	---	---	0.611	1928
1929	---	---	0.167	0.570	1.18	0.791	0.110	0.068	0.106	0.104	---	---	0.385	1929
1930	---	---	0.117	0.652	0.883	0.448	0.135	0.075	0.078	0.124	---	---	0.313	1930
1931	---	---	0.044	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.162	0.505	0.860	0.955	0.320	0.210	0.200	0.285	---	---	0.466	MEAN

LOCATION - LAT 49 08 20 N LONG 113 51 10 W
DRAINAGE AREA, 34.2 km²
NATURAL FLOW

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	3.91 ON JUN 07	0.014B ON MAR 01	6 940	1924
1925	---	1.61 ON MAY 24	---	---	1925
1926	---	1.20 ON JUN 21	0.037 ON JUN 10	3 480	1926
1927	---	6.43 ON MAY 29 *	0 B ON MAR 23 *	21 100	1927
1928	---	5.32 ON JUL 01	0.017B ON MAR 01	12 900	1928
1929	---	2.97 ON JUN 02	0 B ON MAR 01	8 160	1929
1930	---	2.35 ON MAY 13	0.008B ON MAR 02	6 620	1930
1931	---	---	---	---	1931
				9 870	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COW CREEK NEAR COWLEY - STATION NO. 05AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.352	0.130	0.100	---	---	---	1909
1910	---	---	---	---	---	0.106	0.028	0.010	0.019	0.029	---	---	---	1910
1911	---	---	---	---	0.789	0.426	0.075	0.210	0.300	0.182	---	---	---	1911
1912	---	---	---	---	0.336	0.251	0.234	0.138	0.095	0.101	---	---	---	1912
1913	---	---	---	---	0.570	0.482	0.141	0.061	0.041	0.049	---	---	---	1913
1914	---	---	---	0.484	0.372	0.275	0.121	0.054	0.050	0.110	---	---	---	1914
1915	---	---	---	0.255	0.890	1.05	0.587	0.176	0.100	0.122	---	---	---	1915
1916	---	---	---	0.389	0.557	0.848	0.491	0.156	0.142	0.110	---	---	---	1916
MEAN	---	---	---	0.376	0.586	0.491	0.240	0.145	0.110	0.100	---	---	---	MEAN

LOCATION - LAT 49 39 18 N LONG 114 09 26 W
DRAINAGE AREA, 82.1 km²
NATURAL FLOW

COW CREEK NEAR COWLEY - STATION NO. 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	3.99 ON MAY 16 *	---	---	1911
1912	---	1.27 ON APR 11	---	---	1912
1913	---	---	---	---	1913
1914	---	1.27 ON APR 12	---	---	1914
1915	---	3.62 ON JUN 26	---	---	1915
1916	---	1.81 ON JUL 02	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	0.001	0.017	0	0.001	---	---	---	1981
1982	---	---	0	0.899	0.136	0.008	0.225	0.001	0.003	0.001	---	---	0.157	1982
1983	---	---	0.002	0.113	0.004	0.040	0.339	0.006	0	0	---	---	0.063	1983
1984	---	---	0.107	0.009	0.005	0.134	0.010	0	0.001	0.001	---	---	0.033	1984
1985	---	---	0.129	0.850	0.100	0.126	0.007	0	0	0	---	---	0.149	1985
1986	---	---	0.585	0.157	0.102	0.004	0.744	0.019	0.001	0.017	---	---	0.206	1986
1987	---	---	0.004	0.209	0.015	0.005	0	0.026	0.001	0	---	---	0.032	1987
1988	---	---	0.001	0.003	0.002	0.094	0.400	0.003	0	0	---	---	0.063	1988
1989	---	---	0.001	0.262	0.077	0.009	0.756	0.279	0.072	0.006	---	---	0.184	1989
1990	---	---	0.246	0.168	0.078	0.047	0.270	0.001	0.001	0.001	---	---	0.102	1990
MEAN	---	---	0.119	0.297	0.058	0.052	0.275	0.035	0.008	0.003	---	---	0.110	MEAN

LOCATION - LAT 53 52 22 N LONG 114 40 10 W DRAINAGE AREA, 57.8 km^2 NATURAL FLOW

COYOTE CREEK NEAR CHERHILL - STATION NO. 07BB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	6.37 AT 16:40 MST ON APR 23	5.99 ON APR 23	0B ON MAR 01 *	3 330	1982
1983	1.28 AT 04:20 MST ON JUL 19	1.19 ON JUL 19	0B ON MAR 01	1 340	1983
1984	0.755 AT 14:00 MST ON JUN 10	0.734 ON JUN 10	0B ON MAR 01	704	1984
1985	4.84 AT 12:20 MST ON APR 03	3.41 B ON APR 03	0B ON MAR 01	3 160	1985
1986	7.12 AT 21:49 MST ON JUL 18	6.17 ON JUL 19 *	0 ON JUN 23	4 350	1986
1987	---	0.874B ON APR 04	0B ON MAR 01	676	1987
1988	2.90 AT 13:20 MST ON JUL 08	2.55 ON JUL 08	0B ON MAR 01	1 340	1988
1989	7.21 AT 14:50 MST ON JUL 09 *	5.84 ON JUL 09	0B ON MAR 01	3 880	1989
1990	1.89 AT 07:00 MST ON JUL 06	1.79 ON JUL 06	0 ON AUG 13	2 150	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 330	MEAN

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.033	0.018	0.411	0.553	---	---	---	1910
1911	---	---	---	---	---	1.02	0.432	1.25	2.85	0.614	---	---	---	1911
1912	---	---	---	0.877	0.854	0.402	0.638	0.151	---	---	0.284	---	---	1912
1913	---	---	---	---	---	1.02	0.404	0.293	0.129	0.293	---	---	---	1913
1914	---	---	---	---	0.989	0.751	0.245	0.132	0.171	0.843	---	---	---	1914
1915	---	---	---	0.506	1.30	2.56	1.72	1.24	1.07	---	---	---	---	1915
1916	---	---	---	1.25	1.52	2.58	1.51	0.273	0.271	0.267	---	---	---	1916
1917	---	---	---	---	2.95	2.67	0.405	0.086	0.091	0.087	---	---	---	1917
1918	---	---	---	---	0.815	0.477	0.107	0.084	0.140	0.121	---	---	---	1918
1919	---	---	0.005	0.350	0.426	0.282	0.053	0.006	0.001	0.023	---	---	---	1919
1920	---	---	0.158	0.575	1.91	1.17	0.496	0.089	0.030	0.047	---	---	---	1920
1921	---	---	---	0.648	0.981	0.852	0.206	0.023	0.021	0.066	---	---	---	1921
1922	---	---	0.026	0.653	1.51	0.998	0.388	0.083	0.016	0.010	---	---	---	1922
1923	---	---	---	0.632	0.717	2.21	0.350	0.421	0.065	0.152	---	---	---	1923
1924	---	---	0.061	0.492	0.626	2.51	0.243	0.297	0.068	0.130	---	---	---	1924
MEAN	---	---	0.063	0.665	1.22	1.39	0.482	0.296	0.381	0.247	0.284	---	---	MEAN

LOCATION - LAT 49 07 45 N LONG 113 48 40 W DRAINAGE AREA, 49 km^2 NATURAL FLOW

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.60 ON JUN 28	---	---	1913
1914	---	2.18 ON OCT 16	---	---	1914
1915	---	10.5 ON AUG 20 *	---	---	1915
1916	---	6.68 ON APR 02	---	---	1916
1917	---	5.66 E ON MAY 25	---	---	1917
1918	---	0.963 ON MAY 16	---	---	1918
1919	---	1.02 ON MAY 09	0 ON AUG 21	---	1919
1920	---	4.02 ON MAY 13	---	---	1920
1921	---	2.58 ON JUN 02	0 ON SEP 01	---	1921
1922	---	2.72 ON MAY 30	0B ON MAR 01	---	1922
1923	---	6.94 ON JUN 22	---	---	1923
1924	---	8.58 ON JUN 08	---	---	1924
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.35	1.81	3.00	---	---	---	---	1951
1952	---	---	---	---	---	3.09	2.10	1.92	2.21	1.07	---	---	---	1952
1953	---	---	---	---	0.949	10.5	2.25	2.09	2.41	0.995	---	---	---	1953
1954	---	---	---	---	1.12	2.15	2.09	2.50	2.84	0.824	---	---	---	1954
1955	---	---	---	---	1.26	1.72	2.00	1.80	2.34	0.606	---	---	---	1955
1956	---	---	---	---	0.568	2.69	2.19	1.97	1.73	0.559	---	---	---	1956
1957	---	---	---	---	1.10	1.90	1.73	2.24	1.68	0.630	---	---	---	1957
1958	---	---	---	---	0.668	1.71	1.70	1.25	1.29	0.525	---	---	---	1958
1959	---	---	---	---	0.438	1.59	1.70	1.53	1.35	0.521	---	---	---	1959
1960	---	---	---	---	0.740	1.22	1.09	1.15	1.53	0.298	---	---	---	1960
1961	---	---	---	---	0.858	1.07	1.12	1.29	1.16	0.385	---	---	---	1961
1962	---	---	---	---	0.738	1.27	1.79	1.89	2.04	0.691	0.020	0.006	---	1962
1963	0	---	---	---	0.710	1.61	1.40	1.13	1.14	0.545	0.030	0.004	---	1963
1964	0	0	0.003	0.278	0.549	2.34	0.991	1.28	1.79	0.698	0.054	0.009	0.985	1964
1965	0	0	2.55	6.07	1.01	2.13	2.19	1.50	1.35	0.323	0.025	0.020	2.13	1965
1966	0	0	6.98	1.98	0.590	1.27	6.21	0.975	1.11	0.642	0.023	0.027	2.48	1966
1967	0.025	0.012	0.070	14.9	2.28	0.830	0.849	1.13	1.11	0.729	0.044	0.016	2.70	1967
1968	0.003	0.012	0.315	0.267	1.08	1.67	1.51	1.14	1.29	0.480	0.059	0.010	0.969	1968
1969	0	0	0.056	13.1	0.424	1.10	1.06	0.799	0.904	0.290	---	---	2.18	1969
1970	---	---	2.28	0.843	0.575	2.09	1.63	0.827	1.06	0.549	---	---	1.23	1970
1971	---	---	1.01	19.7	0.547	1.22	1.17	0.900	0.917	0.271	---	---	3.17	1971
1972	---	---	1.48	0.579	0.719	1.21	1.00	1.16	1.04	0.440	---	---	0.953	1972
1973	---	---	3.06	1.65	0.732	1.82	0.868	1.26	1.19	0.244	---	---	1.35	1973
1974	---	---	0.015	10.5	1.50	1.09	1.11	0.906	1.01	0.201	---	---	2.02	1974
1975	---	---	0	1.78	2.50	1.09	1.12	1.41	1.53	0.435	---	---	1.23	1975
1976	---	---	2.64	1.77	0.639	1.33	0.720	1.98	1.42	0.400	---	---	1.36	1976
1977	---	---	0.125	0.153	0.778	0.781	0.733	1.12	1.06	0.312	---	---	0.633	1977
1978	---	---	0.425	2.43	1.24	1.73	0.709	1.38	1.95	0.397	---	---	1.27	1978
1979	---	---	0.670	0.190	0.236	0.658	0.771	1.52	0.954	0.147	---	---	0.643	1979
1980	---	---	0.159	8.36	0.750	1.91	1.32	1.75	1.51	0.363	0.036	---	1.99	1980
1981	---	---	0.225	0.182	1.83	1.41	2.38	0.967	0.895	0.350	---	---	1.03	1981
1982	---	---	1.26	2.58	0.455	0.846	1.96	0.965	1.25	0.375	---	---	1.21	1982
1983	---	---	0.507	0.330	0.524	0.854	1.33	0.724	0.666	0.277	---	---	0.652	1983
1984	---	---	0.334	0.186	0.972	1.35	0.709	1.80	1.88	0.440	0.066	---	0.955	1984
1985	---	0.019	4.33	1.03	0.775	1.20	0.899	1.76	1.66	0.295	0.043	---	1.50	1985
1986	---	0.037	0.346	0.051	0.657	0.766	1.54	1.08	2.39	0.821	---	---	0.955	1986
1987	---	---	0.351	0.567	0.552	0.811	2.02	1.32	0.829	0.157	---	---	0.828	1987
1988	---	---	0.045	0.338	0.658	1.61	1.46	2.08	1.39	0.446	---	---	1.00	1988
1989	---	---	0.024	3.70	0.794	1.65	1.24	1.40	1.29	0.196	---	---	1.28	1989
1990	---	---	1.28	0.152	0.881	1.87	1.14	1.46	1.17	0.361	---	---	1.04	1990
MEAN	0.004	0.010	1.13	3.47	0.879	1.72	1.55	1.43	1.48	0.469	0.040	0.013	1.40	MEAN

LOCATION - LAT 50 50 00 N LONG 112 45 40 W
DRAINAGE AREA 1 360 km²
REGULATED SINCE 1914

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	11.2 AT 20:00 MST ON JUN 27	10.6 ON JUN 21	0 B ON MAR 01 *	20 900	1964
1965	---	30.9 B ON APR 07	0 B ON MAR 26	45 100	1965
1966	52.1 E ON JUL 03	39.6 E ON JUL 03	0 B ON MAR 01	52 500	1966
1967	85.5 B AT 19:00 MST ON APR 13	58.3 B ON APR 13	0 B ON MAR 06	57 100	1967
1968	4.76 AT 14:46 MST ON SEP 25	4.50 ON SEP 25	0.074 ON OCT 30	20 500	1968
1969	---	88.6 B ON APR 06 *	0 B ON MAR 01	46 200	1969
1970	23.9 B AT 07:50 MST ON MAR 25	14.6 B ON MAR 25	0 B ON MAR 01	26 000	1970
1971	106 AT 01:30 MST ON APR 08 *	81.3 ON APR 08	0.003B ON MAR 01	67 100	1971
1972	---	7.19B ON MAR 26	0 B ON MAR 01	20 200	1972
1973	16.8 B AT 11:00 MST ON MAR 25	13.8 B ON MAR 25	0.028B ON MAR 01	28 600	1973
1974	85.5 B AT 07:30 MST ON APR 12	62.3 B ON APR 12	0.003B ON MAR 07	42 700	1974
1975	19.3 B AT 14:30 MST ON APR 23	16.5 B ON APR 23	0 B ON MAR 01	26 000	1975
1976	---	11.1 B ON APR 01	0.028B ON MAR 01	28 800	1976
1977	2.00 AT 12:00 MST ON JUN 01	1.91 ON JUN 01	0 ON APR 29	13 400	1977
1978	20.3 B AT 15:00 MST ON APR 01	16.8 B ON APR 01	0.003B ON MAR 01	26 900	1978
1979	2.67B AT 06:00 MST ON MAR 12	2.50B ON MAR 12	0 B ON MAR 01	13 600	1979
1980	79.0 AT 22:30 MST ON APR 13	58.6 ON APR 14	0 B ON MAR 01	42 100	1980
1981	4.84 AT 03:30 MST ON JUL 25	4.62 ON JUL 25	0.021 ON OCT 23	21 800	1981
1982	15.1 B AT 22:59 MST ON MAR 31	12.1 B ON APR 01	0 B ON MAR 01	25 500	1982
1983	3.98B AT 14:28 MST ON MAR 13	3.26B ON MAR 13	0.002 ON OCT 27	13 800	1983
1984	3.33 AT 19:52 MST ON SEP 26	3.21 ON SEP 26	0.004 ON MAR 17	20 200	1984
1985	27.8 B AT 10:33 MST ON MAR 21	23.7 B ON MAR 21	0 B ON MAR 04	31 700	1985
1986	11.2 AT 17:08 MST ON SEP 29	10.6 ON SEP 29	0.003 ON APR 22	20 200	1986
1987	4.21 AT 00:42 MST ON JUL 29	3.93 ON JUL 29	0 ON MAY 03	17 500	1987
1988	4.25 AT 22:00 MST ON JUN 11	3.92 ON JUN 12	0.004 ON MAY 01	21 200	1988
1989	22.3 B AT 03:57 MST ON APR 06	20.6 B ON APR 06	0 B ON MAR 01	27 000	1989
1990	4.77B AT 12:59 MST ON MAR 06	3.84B ON MAR 06	0.033 ON OCT 31	22 000	1990
				29 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	3.08	3.18	5.95	---	---	---	1910
1911	1.42	1.31	1.65	6.33	18.2	24.2	8.41	6.22	8.67	3.96	1.94	1.79	7.02	1911
1912	1.30	1.17	1.05	5.50	11.1	10.5	10.2	4.45	2.70	2.12	2.14	1.53	4.49	1912
1913	1.49	1.17	1.01	7.14	13.3	16.3	7.39	5.04	3.41	3.13	2.40	1.45	5.28	1913
1914	1.82	1.38	1.48	6.75	13.7	11.1	6.68	3.96	3.50	6.21	4.81	2.77	5.37	1914
1915	1.91	1.51	1.48	6.65	15.8	12.7	9.40	4.89	2.68	2.96	2.33	1.54	5.35	1915
1916	1.53	1.77	2.93	8.44	14.0	25.6	14.8	5.09	3.46	2.27	1.65	1.35	6.91	1916
1917	1.28	1.24	1.05	1.18	18.8	17.9	6.81	3.51	2.41	1.69	1.35	1.10	4.88	1917
1918	1.63	1.17	1.33	6.68	12.4	13.2	4.86	2.99	2.29	2.51	1.84	1.41	4.42	1918
1919	1.59	1.23	1.30	6.15	15.1	10.5	4.46	1.94	1.46	1.34	1.12	0.738	3.92	1919
1920	0.844	0.975	0.987	---	---	---	---	---	---	---	---	---	---	1920
1949	---	---	---	---	---	8.66	2.25	1.67	1.88	1.58	---	---	---	1949
1950	---	---	1.41	3.49	17.5	20.2	9.33	3.59	2.31	2.73	---	---	---	1950
1951	---	---	---	8.27	29.6	16.7	11.9	6.41	8.84	7.42	---	---	---	1951
1952	---	---	1.72	10.8	12.1	9.50	5.78	3.28	2.17	1.65	---	---	---	1952
1953	---	---	1.13	2.81	17.1	31.5	10.6	4.61	2.96	2.29	---	---	---	1953
1954	---	---	1.10	2.41	26.8	24.1	12.1	5.36	4.26	3.45	---	---	---	1954
1955	---	---	1.43	2.08	10.0	17.2	8.82	3.63	2.41	2.79	---	---	---	1955
1956	---	---	1.93	5.21	24.5	17.5	9.57	4.14	2.65	2.39	---	---	---	1956
1957	---	---	1.53	2.98	19.3	9.56	4.28	2.34	1.84	1.93	---	---	---	1957
1958	---	---	1.25	2.04	16.8	9.55	6.22	2.96	2.10	1.97	---	---	---	1958
1959	---	---	1.25	5.07	20.0	23.6	10.1	4.66	4.78	4.41	---	---	---	1959
1960	---	---	2.54	5.95	11.9	12.7	5.94	3.74	2.44	1.71	---	---	---	1960
1961	---	---	1.33	2.29	22.1	19.1	6.00	3.17	2.51	3.19	---	---	---	1961
1962	---	---	1.26	5.96	10.4	10.9	4.95	2.81	2.24	1.94	---	---	---	1962
1963	---	---	1.38	2.33	8.66	13.0	13.1	3.79	2.89	2.49	---	---	---	1963
1964	---	---	1.27	2.33	16.7	22.5	8.35	3.88	2.82	2.49	1.83	1.34	---	1964
1965	1.27	1.25	1.41	4.15	13.8	20.5	9.26	5.47	4.15	3.36	2.03	1.40	5.69	1965
1966	1.28	1.30	1.97	5.23	16.9	15.4	7.07	4.02	2.97	2.10	1.79	1.41	5.15	1966
1967	1.15	1.24	1.30	2.04	18.9	28.7	10.3	4.03	2.50	2.01	1.92	1.65	6.32	1967
1968	1.55	1.40	1.55	1.88	14.8	16.4	6.91	3.92	3.44	3.68	2.46	1.79	4.99	1968
1969	1.92	1.42	1.46	7.77	15.0	16.2	9.51	3.34	2.21	1.82	1.37	1.09	5.27	1969
1970	1.02	0.969	0.885	0.929	11.5	14.0	5.43	2.51	2.08	1.89	1.37	1.45	3.69	1970
1971	1.08	1.40	1.09	3.40	22.4	17.5	7.78	3.56	2.79	2.32	1.88	1.49	5.56	1971
1972	1.28	1.23	3.38	4.97	28.3	27.6	9.66	5.87	3.60	2.83	2.31	1.99	7.76	1972
1973	1.47	1.38	1.39	1.78	9.95	10.4	4.37	2.51	1.93	1.33	1.27	1.09	3.25	1973
1974	1.68	1.26	1.48	5.34	22.5	28.3	10.6	5.14	3.20	2.26	1.79	1.52	7.11	1974
1975	1.26	1.05	1.10	1.60	14.1	24.1	11.4	4.70	3.19	2.51	2.65	3.68	5.96	1975
1976	2.35	1.75	1.63	4.91	16.0	9.49	6.95	12.2	4.35	3.08	2.33	1.44	5.56	1976
1977	1.39	1.31	1.26	2.44	5.05	4.70	2.41	2.61	2.79	1.93	1.50	1.39	2.40	1977
1978	0.882	0.955	1.27	2.85	13.1	12.7	9.45	3.99	3.05	2.34	2.01	1.60	4.54	1978
1979	1.10	1.05	1.24	2.16	14.6	11.5	4.56	2.55	1.89	1.48	1.11	1.23	3.72	1979
1980	1.10	1.08	1.06	4.85	13.0	9.48	4.17	2.47	2.49	1.92	1.60	2.03	3.78	1980
1981	2.13	1.79	1.70	3.74	21.5	15.6	8.91	4.21	2.39	2.02	1.49	1.52	5.61	1981
1982	1.13	1.45	1.24	1.91	9.42	12.5	6.32	3.01	2.26	2.24	1.69	1.40	3.72	1982
1983	1.29	1.17	1.27	2.97	8.55	8.44	6.00	2.79	1.81	1.48	1.67	1.25	3.24	1983
1984	1.81	1.21	1.11	2.16	5.71	9.93	5.19	2.73	1.94	1.99	1.41	1.15	3.03	1984
1985	1.00	0.699	0.942	2.68	8.82	7.73	3.53	2.57	3.54	3.88	3.21	2.24	3.41	1985
1986	1.89	2.39	4.42	7.16	14.4	13.2	5.10	2.72	2.58	3.36	2.80	2.15	5.19	1986
1987	1.73	1.46	1.97	5.16	10.9	6.08	4.88	3.52	2.20	1.67	1.23	0.929	3.49	1987
1988	1.05	0.907	0.930	2.71	7.50	8.79	3.32	1.88	1.64	1.78	1.63	1.00	2.76	1988
1989	1.00	0.936	1.15	2.84	11.8	13.4	6.05	3.06	3.58	2.64	3.78	2.42	4.40	1989
1990	1.89	1.46	1.52	5.52	16.2	17.1	8.59	4.54	2.45	3.01	4.04	2.59	5.76	1990
MEAN	1.43	1.29	1.49	4.24	15.2	15.5	7.45	3.87	2.96	2.64	2.05	1.61	4.83	MEAN

LOCATION - LAT 49 35 49 N LONG 114 24 33 W DRAINAGE AREA, 404 km² NATURAL FLOW

CROWSNEST RIVER AT FRANK - STATION NO. 05AA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	39.4 ON JUN 02	1.02 ON NOV 13	221 000	1912
1913	---	20.1 ON JUN 16	0.934 ON FEB 19	142 000	1913
1914	---	25.1 ON MAY 29	0.765 ON MAR 19	166 000	1914
		17.4 ON MAY 03	1.19 ON MAR 06	169 000	
1915	---	34.8 ON MAY 02	0.934 ON DEC 18	169 000	1915
1916	---	47.6 ON JUN 20	1.08 ON FEB 08	218 000	1916
1917	---	46.4 ON MAY 15	0.595 ON MAR 29	154 000	1917
1918	---	24.4 ON JUN 11	0.963 ON DEC 25	139 000	1918
1919	---	25.5 ON MAY 29	0.595 ON DEC 10	124 000	1919
1920	---	---	---	---	1920
1949	---	---	---	---	1949
1950	29.7 AT 23:00 MST ON MAY 27	28.6 ON MAY 22	---	---	1950
1951	47.0 AT 17:00 MST ON MAY 14	44.7 ON MAY 14	---	---	1951
1952	27.1 AT 22:00 MST ON APR 26	25.7 ON APR 27	---	---	1952
1953	73.9 AT 00:30 MST ON JUN 09 *	65.7 ON JUN 09 *	---	---	1953
1954	65.1 AT 23:00 MST ON MAY 19	58.9 ON MAY 20	---	---	1954
1955	25.8 AT 23:00 MST ON MAY 19	22.7 ON JUN 13	---	---	1955
1956	57.2 AT 22:00 MST ON MAY 20	54.1 ON MAY 21	---	---	1956
1957	31.7 AT 20:00 MST ON MAY 05	28.6 ON MAY 05	---	---	1957
1958	30.6 AT 20:00 MST ON MAY 12	25.9 ON MAY 13	---	---	1958
1959	37.1 AT 20:00 MST ON JUN 05	36.0 ON JUN 05	---	---	1959
1960	25.2 AT 02:00 MST ON MAY 13	24.0 ON MAY 13	---	---	1960
1961	62.9 AT 01:00 MST ON MAY 27	58.0 ON MAY 27	---	---	1961
1962	17.0 AT 23:00 MST ON APR 24	15.5 ON MAY 24	---	---	1962
1963	29.2 AT 16:00 MST ON JUN 30	28.6 ON JUN 30	---	---	1963
1964	50.4 AT 20:00 MST ON JUN 07	47.6 ON JUN 08	---	---	1964
1965	70.8 AT 01:00 MST ON JUN 18	59.7 ON JUN 18	0.793B ON JAN 07	179 000	1965
1966	30.9 AT 22:00 MST ON MAY 11	27.2 ON JUN 05	1.25 B ON DEC 31	162 000	1966
1967	---	47.0 ON MAY 31	1.12 B ON JAN 11	199 000	1967
1968	---	48.7 ON MAY 23	1.16 B ON DEC 29	158 000	1968
1969	29.7 AT 09:00 MST ON JUN 26	28.9 ON JUN 29	1.03 B ON DEC 17	166 000	1969
1970	20.5 AT 22:30 MST ON MAY 23	19.7 E ON MAY 24	0.694B ON APR 04	116 000	1970
1971	35.1 AT 20:00 MST ON MAY 27	34.0 ON MAY 28	0.895B ON JAN 07	175 000	1971
1972	62.6 AT 21:40 MST ON MAY 31	59.7 ON JUN 01	1.20 B ON JAN 20	245 000	1972
1973	21.3 AT 23:00 MST ON JUN 08	19.5 ON MAY 18	0.852B ON DEC 24	103 000	1973
1974	40.8 AT 21:00 MST ON MAY 26	38.8 A ON JUN 17	1.02 B ON JAN 01	224 000	1974
1975	53.5 E AT 20:00 MST ON JUN 19	48.7 ON JUN 20	0.881B ON FEB 26	188 000	1975
1976	33.7 AT 15:00 MST ON AUG 08	27.7 ON AUG 09	0.994B ON DEC 29	176 000	1976
1977	7.79 AT 08:30 MST ON MAY 11	7.36 ON MAY 11	1.09 B ON DEC 20	75 800	1977
1978	22.3 AT 06:30 MST ON JUN 06	21.9 ON JUN 06	0.668B ON JAN 10	143 000	1978
1979	33.2 AT 01:30 MST ON MAY 27	30.1 ON MAY 27	0.738B ON NOV 30	117 000	1979
1980	23.6 AT 04:25 MST ON APR 30	21.7 ON APR 30	0.847B ON FEB 16	119 000	1980
1981	43.1 AT 23:40 MST ON MAY 25	41.6 ON MAY 26	1.03 ON NOV 26	177 000	1981
1982	---	16.8 E ON MAY 26	1.02 B ON JAN 21	117 000	1982
1983	15.6 AT 04:26 MST ON MAY 27	15.1 ON MAY 27	0.920B ON FEB 03	102 000	1983
1984	13.8 AT 08:18 MST ON MAY 31	13.2 ON MAY 31	0.887 ON DEC 05	95 800	1984
1985	16.5 AT 21:35 MST ON MAY 24	14.6 ON JUN 08	0.523B ON FEB 09	108 000	1985
1986	34.9 AT 00:55 MST ON MAY 29	34.1 ON MAY 29	1.20 B ON FEB 18	164 000	1986
1987	16.5 AT 15:03 MST ON MAY 01	16.3 ON MAY 01	0.505B ON DEC 22 *	110 000	1987
1988	15.9 AT 01:05 MST ON JUN 08	15.3 ON JUN 08	0.600B ON JAN 01	87 300	1988
1989	22.2 AT 21:45 MST ON MAY 10	20.8 ON MAY 10	0.820B ON FEB 04	139 000	1989
1990	41.2 AT 02:15 MST ON MAY 30	40.4 ON MAY 30	1.30 B ON JAN 31	182 000	1990
				152 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	2.72	2.61	3.34	---	---	---	1910
1911	---	---	---	1.76	7.18	13.5	6.57	4.04	4.37	1.96	2.51	0.966	---	1911
1912	1.05	0.894	0.846	1.34	3.62	5.28	5.37	2.78	2.00	1.62	1.77	1.15	2.31	1912
1913	0.793	0.685	0.701	1.85	4.46	9.33	5.42	4.24	2.70	2.56	1.01	1.69	3.04	1913
1914	1.21	0.934	1.25	2.88	8.05	7.38	5.72	3.09	2.48	3.65	2.79	1.67	3.44	1914
1915	1.25	0.934	1.08	2.17	6.76	7.25	6.07	3.56	2.03	1.98	1.80	1.31	3.03	1915
1916	0.876	1.63	1.33	2.08	4.82	12.6	9.32	4.26	2.92	1.61	1.01	0.883	3.61	1916
1917	0.869	0.772	0.793	0.726	6.01	9.74	6.22	3.77	1.83	1.26	1.06	0.799	2.83	1917
1918	1.06	0.688	0.749	1.83	4.98	9.56	3.73	2.23	1.80	1.44	1.17	1.26	2.54	1918
1919	1.26	1.11	1.00	1.97	7.20	6.09	3.78	1.74	1.16	1.14	0.868	0.602	2.33	1919
1920	0.761	0.742	0.715	---	---	---	---	---	---	---	---	---	---	1920
MEAN	1.01	0.932	0.940	1.85	5.90	8.97	5.80	3.24	2.39	2.05	1.67	1.15	2.89	MEAN

LOCATION - LAT 49 37 50 N
LONG 114 33 53 W
DRAINAGE AREA, 167 km²
REGULATED

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	19.0 ON JUN 03	---	---	1911
1912	---	8.01 ON JUN 17	0.736B ON MAR 25	73 200	1912
1913	---	11.0 ON JUN 13	0.623B ON FEB 05	95 900	1913
1914	---	10.6 ON MAY 21	0.793B ON FEB 20	108 000	1914
1915	---	10.4 ON MAY 10	0.821B ON FEB 19	95 500	1915
1916	---	20.5 ON JUN 21	0.680B ON NOV 19	114 000	1916
1917	---	19.6 ON MAY 28	0.445 ON APR 20	89 300	1917
1918	---	22.0 ON JUN 09 *	0.453B ON JAN 30	80 200	1918
1919	---	13.0 ON MAY 28	0.159B ON DEC 14 *	73 600	1919
1920	---	---	---	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		91 200	MEAN

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	4.23	---	---	---	1908
1909	---	---	---	---	24.0	40.5	22.2	11.2	5.30	4.05	4.96	---	---	1909
1910	---	---	---	12.6	16.5	12.7	6.95	3.90	3.80	6.20	---	---	---	1910
1911	2.41	2.57	3.15	9.97	27.7	28.2	10.9	9.77	15.8	7.28	4.96	2.24	10.4	1911
1912	2.76	2.44	2.17	9.17	15.0	11.2	13.8	6.77	4.29	3.74	4.11	2.97	6.76	1912
1913	2.20	1.94	2.17	11.6	20.0	20.3	9.15	6.80	4.65	4.20	3.40	2.90	7.48	1913
1914	2.38	2.05	2.59	9.42	17.1	12.4	7.68	5.02	4.78	8.78	6.36	3.49	6.86	1914
1915	3.70	2.23	2.68	8.68	24.4	17.0	13.0	7.11	4.55	4.53	3.85	2.60	7.90	1915
1916	1.74	4.07	7.01	11.4	20.1	31.6	18.8	7.66	5.42	4.12	3.04	2.63	9.72	1916
1917	2.04	1.97	1.48	7.87	23.7	26.2	10.7	5.41	3.74	3.79	2.38	2.04	7.13	1917
1918	3.05	1.48	2.64	11.3	16.8	16.0	6.86	4.81	4.39	3.46	3.23	2.33	6.37	1918
1919	2.27	1.67	2.96	9.56	18.5	12.2	6.32	3.30	2.51	2.59	2.44	1.25	5.49	1919
1920	1.18	1.48	2.05	5.47	22.2	20.3	12.0	4.49	2.94	3.34	2.18	1.60	6.62	1920
1921	2.01	2.66	2.80	6.65	19.5	17.0	7.35	4.10	3.01	2.95	2.63	1.87	6.06	1921
1922	1.77	1.53	1.89	3.66	18.4	14.5	6.02	3.43	2.69	2.32	1.84	1.48	4.98	1922
1923	1.61	1.38	1.68	6.68	24.2	51.4	15.2	6.48	4.08	3.03	2.38	2.03	10.0	1923
1924	1.77	2.19	1.71	3.16	10.4	15.3	7.66	5.40	3.30	2.93	2.38	2.27	4.88	1924
1925	2.21	1.95	2.39	16.3	21.5	12.8	5.53	3.69	3.28	2.87	2.40	2.04	6.42	1925
1926	1.41	1.43	1.42	4.67	14.8	4.85	3.55	2.44	9.62	9.99	4.50	3.29	4.29	1926
1927	2.54	2.49	3.05	8.32	21.7	29.4	13.3	6.62	12.5	8.47	5.98	3.35	10.2	1927
1928	4.26	3.98	5.64	9.52	25.7	17.9	10.9	6.31	5.28	8.77	4.49	3.58	9.64	1928
1929	2.41	2.29	4.24	4.54	17.9	24.8	7.06	3.56	3.04	2.50	2.19	2.36	6.42	1929
1930	1.72	2.47	2.27	11.1	16.2	16.1	7.22	3.71	3.00	2.75	2.25	1.81	5.88	1930
1931	1.59	2.08	1.72	2.37	---	---	---	---	---	---	---	---	---	1931
MEAN	2.24	2.21	2.78	8.14	19.5	20.7	10.5	5.54	5.09	4.60	3.43	2.46	7.18	MEAN

LOCATION - LAT 49 35 40 N DRAINAGE AREA, 676 km^2
LONG 114 10 15 W NATURAL FLOW

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	75.6 ON JUL 28	---	---	1909
1910	---	23.8 ON APR 27	---	---	1910
1911	---	69.7 ON MAY 16	1.61 B ON DEC 19	329 000	1911
1912	---	25.9 ON JUN 16	1.93 B ON DEC 10	214 000	1912
1913	---	34.5 ON MAY 28	1.70 B ON FEB 05	236 000	1913
1914	---	24.2 ON MAY 03	1.84 B ON FEB 18	216 000	1914
1915	---	41.6 ON MAY 02	1.47 B ON DEC 31	249 000	1915
1916	---	53.0 ON JUN 22	1.25 B ON DEC 15	307 000	1916
1917	---	42.2 ON MAY 16	1.13 B ON MAR 21	225 000	1917
1918	---	30.6 ON MAY 04	1.27 B ON FEB 19	201 000	1918
1919	---	28.2 ON MAY 29	0.623B ON DEC 10	173 000	1919
1920	---	37.1 ON MAY 12	0.530B ON JAN 20 *	209 000	1920
1921	---	27.8 ON MAY 23	0.963B ON MAR 11	191 000	1921
1922	---	31.4 ON MAY 18	1.19 B ON DEC 15	157 000	1922
1923	---	143 ON JUN 01 *	1.25 B ON FEB 17	316 000	1923
1924	---	20.5 ON JUN 23	1.35 B ON MAR 17	154 000	1924
1925	---	31.1 ON MAY 22	1.42 B ON DEC 30	203 000	1925
1926	---	15.0 ON SEP 09	1.40 B ON JAN 08	135 000	1926
1927	---	40.7 ON JUN 11	2.01 B ON JAN 21	320 000	1927
1928	---	41.9 ON JUL 02	2.83 B ON DEC 30	305 000	1928
1929	---	66.8 ON JUN 03	1.78 B ON NOV 21	202 000	1929
1930	---	23.1 ON JUN 09	1.42 B ON DEC 31	185 000	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		226 000	MEAN

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	3.30	2.10	1.35	1.26	1.15	---	---	---	1970
1971	---	---	---	---	15.9	34.7	31.1	2.59	3.47	5.89	---	---	---	1971
1972	---	---	---	---	18.7	38.4	7.47	6.39	4.54	16.3	---	---	---	1972
1973	---	---	---	---	19.4	6.64	2.47	3.28	2.30	2.97	---	---	---	1973
1974	---	---	---	---	37.4	10.8	3.31	1.73	1.84	1.62	---	---	---	1974
1975	---	---	---	---	11.6	12.0	16.1	2.40	1.80	1.42	---	---	---	1975
1976	---	---	---	---	19.6	11.0	9.15	21.9	6.46	2.96	---	---	---	1976
1977	---	---	---	---	29.6	10.7	16.9	6.05	6.63	10.2	---	---	---	1977
1978	---	---	---	---	11.6	8.97	8.64	4.49	11.7	3.77	---	---	---	1978
1979	---	---	---	---	24.1	13.6	7.28	1.98	1.77	1.38	---	---	---	1979
1980	---	---	---	---	5.19	39.1	9.23	5.92	10.8	3.77	---	---	---	1980
1981	---	---	---	---	10.5	6.90	7.48	4.25	1.32	1.29	---	---	---	1981
1982	---	---	---	---	23.6	6.82	38.0	20.5	5.40	4.19	---	---	---	1982
1983	---	---	0.517	6.78	7.51	10.7	25.2	3.74	1.92	1.58	---	---	7.25	1983
1984	---	---	0.582	3.11	14.5	11.8	1.87	1.20	8.15	5.00	---	---	5.76	1984
1985	---	---	0.462	4.88	10.5	5.91	2.16	2.44	14.8	7.05	---	---	6.00	1985
1986	---	---	2.12	9.56	19.5	9.04	12.3	2.02	3.67	5.40	---	---	7.96	1986
1987	---	---	0.531	6.37	7.77	2.31	1.94	25.9	2.40	1.44	---	---	6.11	1987
1988	---	---	0.801	2.85	1.68	4.41	2.40	0.745	0.666	0.638	---	---	1.76	1988
1989	---	---	0.109	2.83	13.6	12.2	16.1	31.0	11.3	4.28	---	---	11.5	1989
1990	---	---	0.726	4.01	14.0	42.5	8.02	1.62	1.67	1.38	---	---	9.15	1990
MEAN	---	---	0.731	5.05	15.8	14.4	10.9	7.21	4.95	3.98	---	---	6.94	MEAN

LOCATION - LAT 54 30 57 N DRAINAGE AREA, 844 km²
LONG 118 57 47 W NATURAL FLOW

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	198 ON JUL 11	---	---	1971
1972	765 A AT 15:00 MST ON JUN 12	464 A ON JUN 12	---	---	1972
1973	41.3 AT 23:30 MST ON MAY 04	36.2 ON MAY 05	---	---	1973
1974	53.5 AT 02:00 MST ON MAY 11	51.3E ON MAY 01	---	---	1974
1975	127 AT 23:00 MST ON JUN 28	90.3E ON JUN 29	---	---	1975
1976	106 AT 02:00 MST ON JUL 02	73.3 ON AUG 17	---	---	1976
1977	227 A AT 03:00 MST ON MAY 06	159 A ON MAY 06	---	---	1977
1978	78.7 AT 17:00 MST ON SEP 18	45.0 ON SEP 18	---	---	1978
1979	87.1 AT 10:30 MST ON MAY 16	66.0 ON MAY 16	---	---	1979
1980	274 AT 10:00 MST ON JUN 04	249 E ON JUN 04	---	---	1980
1981	89.5 AT 22:30 MST ON JUL 29	59.2 ON JUL 30	---	---	1981
1982	800 ON JUL 15 *	506 A ON JUL 15 *	---	---	1982
1983	103 AT 20:30 MST ON JUL 15	64.7 ON JUL 16	0.197B ON MAR 07	154 000	1983
1984	71.2 AT 06:30 MST ON MAY 17	62.4 ON MAY 17	0.283B ON MAR 01	122 000	1984
1985	58.2 AT 14:30 MST ON SEP 13	49.1 ON SEP 13	0.193B ON MAR 06	127 000	1985
1986	79.3 AT 10:00 MST ON JUL 18	66.1 ON JUL 18	0.885B ON MAR 01	168 000	1986
1987	232 AT 01:30 MST ON AUG 02	172 ON AUG 02	0.332B ON MAR 04	129 000	1987
1988	13.3 AT 05:00 MST ON JUN 07	12.2 ON JUN 12	0.445B ON OCT 31	37 300	1988
1989	160 AT 17:30 MST ON AUG 23	99.8 ON AUG 23	0.049B ON MAR 05 *	243 000	1989
1990	552 AT 08:00 MST ON JUN 12	408 A ON JUN 12	0.364B ON MAR 24	194 000	1990
				147 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.032	1.04	0.533	0.575	0.723	0.442	0.488	0.763	---	---	0.572	1973
1974	---	---	0	10.2	9.03	0.595	0.345	0.176	0.214	0.080	---	---	2.57	1974
1975	---	---	0	0.647	0.957	0.380	0.994	0.853	1.22	0.890	---	---	0.743	1975
1976	---	---	0.196	3.43	0.711	0.028	0.022	0.006	0.009	0.230	---	---	0.572	1976
1977	---	---	0.019	2.68	0.716	1.28	0.864	0.474	0.333	0.853	---	---	0.896	1977
1978	---	---	0.176	3.62	1.61	0.928	0.343	0.305	2.14	2.80	---	---	1.48	1978
1979	---	---	0.230	5.65	6.13	1.41	4.69	1.79	0.591	0.231	---	---	2.59	1979
1980	---	---	0.010	0.761	0.108	0.016	0.133	0.412	0.452	0.387	---	---	0.284	1980
1981	---	---	0.513	4.86	1.15	0.294	0.529	0.637	0.157	0.283	---	---	1.04	1981
1982	---	---	0.016	3.12	2.67	0.353	0.077	0.032	0.011	0.001	---	---	0.780	1982
1983	---	---	0	0.262	0.249	0.063	0.190	0.217	0.034	0.019	---	---	0.129	1983
1984	---	---	0.227	0.218	0.011	0.015	0.088	0.021	0.025	0.026	---	---	0.079	1984
1985	---	---	0.131	2.39	1.12	0.091	0.359	0.067	0.005	0.003	---	---	0.517	1985
1986	---	---	0.374	2.11	0.992	0.183	2.00	3.96	0.872	0.535	---	---	1.38	1986
1987	---	---	0.003	1.79	0.504	0.143	0.007	0.004	0.004	0.057	---	---	0.309	1987
1988	---	---	0.001	0.039	0.006	0.007	0.135	0.035	0.044	0.047	---	---	0.039	1988
1989	---	---	0.003	0.279	0.226	0.183	0.494	0.621	0.329	0.250	---	---	0.299	1989
1990	---	---	0.103	1.19	1.14	0.192	0.051	0.017	0.048	0.006	---	---	0.342	1990
MEAN	---	---	0.113	2.46	1.55	0.374	0.669	0.559	0.388	0.414	---	---	0.812	MEAN

LOCATION - LAT 54 18 30 N DRAINAGE AREA, 563 km²
LONG 113 50 55 W NATURAL FLOW

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.77 ON APR 10	0 B ON MAR 01 *	12 100	1973
1974	---	28.6 ON APR 25 *	0 B ON MAR 01	54 300	1974
1975	---	2.12 ON APR 27	0 B ON MAR 01	15 700	1975
1976	---	5.52 B ON APR 06	0 ON AUG 11	12 100	1976
1977	---	9.77 B ON APR 10	0.014B ON MAR 14	19 000	1977
1978	---	4.90 B ON APR 06	0.068B ON MAR 12	31 300	1978
1979	---	16.0 ON APR 24	0.106 ON OCT 13	54 800	1979
1980	---	1.50 ON APR 12	0 ON MAY 18	6 000	1980
1981	---	9.77 B ON APR 03	0.002B ON MAR 01	22 100	1981
1982	---	11.3 ON APR 23	0 B ON MAR 01	16 500	1982
1983	---	0.672 ON APR 08	0 B ON MAR 01	2 740	1983
1984	---	1.14 B ON MAR 25	0.001E ON SEP 02	1 670	1984
1985	---	4.42 B ON APR 03	0.003B ON MAR 01	10 900	1985
1986	---	5.61 ON JUL 31	0.004B ON MAR 01	29 300	1986
1987	---	2.84 ON APR 12	0.001B ON MAR 01	6 550	1987
1988	0.774 AT 05:23 MST ON JUL 06	0.497 ON JUL 07	0 B ON MAR 01	829	1988
1989	4.70 AT 11:00 MST ON AUG 04 *	1.30 ON AUG 04	0.003B ON MAR 01	6 320	1989
1990	---	1.55 ON APR 24	0 ON JUL 26	7 230	1990
				17 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.003	0.390	0.006	---	---	---	---	---	---	---	---	1936
MEAN	---	---	0.003	0.390	0.006	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 00 N
LONG 111 48 00 W
DRAINAGE AREA, 268 km^2
REGULATED

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	6.00E ON APR 11 *	0B ON MAR 01 *	---	1936
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	0	0	0.054	0.392	---	---	---	1983
1984	---	---	0	0	0	0	0.429	0.675	0.353	0	---	---	0.183	1984
1985	---	---	0	0	0	0.073	0.079	0.202	0.096	0.211	---	---	0.083	1985
1986	---	---	0	0	0.425	0.398	0.370	0.167	0.021	0.025	0.112	---	0.176	1986
1987	---	---	0	0	0.668	0.576	0.376	0.337	0.096	0	---	---	0.257	1987
1988	---	---	0	0.085	0.690	0.661	0.672	0.322	0.497	0.014	---	---	0.367	1988
1989	---	---	0	0.168	0.409	0.507	0.724	0.466	0.026	0.013	---	---	0.290	1989
1990	---	---	0	0.245	0.379	0.166	0.500	0.563	0.075	0	---	---	0.242	1990
MEAN	---	---	0	0.071	0.367	0.340	0.394	0.342	0.152	0.082	0.112	---	0.228	MEAN

LOCATION - LAT 51 00 53 N
LONG 111 48 32 W
REGULATED SINCE 1983

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0A ON JUN 08 *	---	1983
1984	---	0.960 ON JUL 15	0 ON MAR 01	3 870	1984
1985	---	1.04 ON OCT 01	0 ON MAR 01	1 760	1985
1986	---	1.17 ON MAY 03	0E ON MAR 01	3 730	1986
1987	---	1.11 ON MAY 26	0 ON MAR 01	3 440	1987
1988	---	1.44 ON JUL 11 *	0 ON MAR 01	7 770	1988
1989	---	1.41 ON APR 27	0 ON MAR 01	6 130	1989
1990	---	1.24 ON APR 24	0 ON MAR 01	5 120	1990
				4 830	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEEP VALLEY CREEK NEAR VALLEYVIEW - STATION NO. 07GF008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.930	5.73	9.70	4.73	1.46	3.01	7.94	6.32	---	---	4.96	1985
1986	---	---	1.45	6.92	15.2	6.72	12.1	1.74	3.44	8.21	---	---	7.11	1986
1987	---	---	1.13	5.94	7.01	2.08	2.22	38.3	4.42	1.94	---	---	7.92	1987
1988	---	---	1.04	4.29	2.40	14.8	6.61	1.23	1.07	0.957	---	---	4.01	1988
1989	---	---	0.629	3.06	16.3	17.5	29.5	18.4	6.34	2.86	---	---	11.9	1989
1990	---	---	1.14	4.43	10.6	26.2	5.12	1.29	1.70	1.42	---	---	6.44	1990
MEAN	---	---	1.05	5.06	10.4	12.0	9.50	10.7	4.15	3.62	---	---	7.06	MEAN

LOCATION - LAT 54 25 46 N LONG 117 43 10 W
DRAINAGE AREA, 637 km²
NATURAL FLOW

DEEP VALLEY CREEK NEAR VALLEYVIEW - STATION NO. 07GF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	27.5 AT 20:30 MST ON JUN 24	20.1 ON MAY 04	0.541B ON MAR 29	105 000	1985
1986	63.5 AT 06:00 MST ON JUL 18	59.6 ON JUL 18	0.629B ON MAR 01	151 000	1986
1987	1 200 AT 20:00 MST ON AUG 01 *	324 ON AUG 01 *	0.493B ON MAR 11	168 000	1987
1988	97.9 AT 18:30 MST ON JUN 11	67.6 ON JUN 12	0.720B ON OCT 28	85 000	1988
1989	90.6 AT 19:30 MST ON JUL 02	84.1 ON JUL 02	0.486B ON MAR 03 *	251 000	1989
1990	182 AT 14:00 MST ON JUN 12	161 A ON JUN 12	0.762B ON MAR 06	136 000	1990
				149 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.047	0.027	0.014	0.011	---	---	---	1966
1967	---	---	---	---	0.081	0.136	0.034	0.013	0.004	0.004	0.003	0.002	---	1967
1968	0.001	0.001	0.002	0.007	0.015	0.017	0.009	0.010	0.012	0.013	0.008	0.005	0.012	1968
1969	0.003	0.001	0.002	0.031	0.054	0.084	0.210	0.036	0.019	0.011	---	---	0.064	1969
1970	---	---	---	---	---	0.092	0.051	0.016	0.011	---	---	---	---	1970
1971	---	---	0.001	0.015	0.013	0.027	0.011	0.004	0.003	0.003	---	---	0.011	1971
1972	---	---	0.003	0.010	0.035	0.075	0.065	0.035	0.020	0.012	---	---	0.036	1972
1973	0.003	0.003	0.003	0.010	0.080	0.089	0.028	0.013	0.009	0.006	0.003	0.001	0.034	1973
1974	0.001	0.001	0.001	0.016	0.067	0.055	0.021	0.011	0.009	0.009	0.004	0.002	0.027	1974
1975	---	---	---	---	---	---	---	0.018	0.008	---	---	---	---	1975
1976	0.001	0.001	0	0.005	0.010	0.011	0.006	0.015	0.011	0.010	0.002	0.002	0.010	1976
1977	0.001	0	0	0.003	0.033	0.030	0.013	0.018	0.017	0.015	0.006	0	0.018	1977
1978	0	0	0	0.036	0.053	0.077	0.036	0.029	0.024	0.013	---	---	0.038	1978
1979	---	0	0.001	0.011	0.030	0.040	0.044	0.016	0.007	0.004	0.004	---	0.022	1979
1980	---	---	0.001	0.003	0.018	0.052	0.023	0.015	0.012	0.008	---	---	0.019	1980
1981	---	---	0.002	0.005	0.056	0.054	0.132	0.052	0.014	0.017	---	---	0.047	1981
1982	---	---	0	0	0.033	0.037	0.071	0.032	0.016	0.011	---	---	0.029	1982
1983	---	---	0.001	0.013	0.025	0.032	0.069	0.018	0.008	0.006	---	---	0.025	1983
1984	---	---	0.001	0.004	0.006	0.039	0.009	0.003	0.004	0.004	---	---	0.010	1984
1985	---	---	---	---	---	0.006	0.001	0.003	0.017	0.011	---	---	---	1985
1986	---	---	---	0.008	0.098	0.055	0.156	0.062	0.057	0.105	---	---	0.078	1986
1987	---	---	---	0.007	0.004	0.003	0.009	0.012	0.014	0.008	---	---	0.008	1987
1988	---	---	---	0.018	0.006	0.007	0.008	0.027	0.019	0.014	---	---	0.014	1988
1989	---	---	---	0.025	0.032	0.025	0.015	0.019	0.024	0.018	---	---	0.023	1989
1990	---	---	---	0.014	0.096	0.170	0.039	0.039	0.017	0.014	---	---	0.055	1990
MEAN	0.001	0.001	0.001	0.012	0.040	0.053	0.046	0.022	0.015	0.014	0.004	0.002	0.029	MEAN

LOCATION - LAT 51 39 25 N LONG 115 08 00 W
DRAINAGE AREA, 5.44 km²
NATURAL FLOW

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	1.94 AT 20:00 MST ON MAY 30 *	0.699 ON MAY 30	---	---	1967
1968	0.068 AT 19:30 MST ON APR 28	0.048 ON APR 29	0.001 ON APR 07	220	1968
1969	0.886 AT 04:00 MST ON JUN 29	0.699 ON JUN 29	0.009 ON APR 02	1 180	1969
1970	0.821 AT 07:21 MST ON JUN 16	0.640 ON JUN 16	---	---	1970
1971	0.136 AT 04:30 MST ON JUN 06	0.096 ON JUN 06	0.001B ON APR 01	201	1971
1972	0.787 AT 07:30 MST ON JUN 25	0.498 ON JUN 25	0.001B ON APR 04	668	1972
1973	0.328 AT 17:50 MST ON MAY 27	0.286 ON MAY 27	0.004 ON APR 01	621	1973
1974	0.176 AT 18:50 MST ON MAY 24	0.142 ON MAY 24	0.001B ON APR 01	494	1974
1975	---	---	---	---	1975
1976	0.068 AT 11:00 MST ON AUG 09	0.037 ON JUN 16	0 ON APR 14 *	180	1976
1977	0.082 AT 17:30 MST ON MAY 15	0.062 ON MAY 29	0 E ON APR 01	341	1977
1978	0.991 AT 15:30 MST ON APR 28	0.405 ON APR 28	0 ON APR 01	707	1978
1979	0.252 AT 11:45 MST ON JUN 20	0.131 ON JUN 20	0.001B ON APR 01	406	1979
1980	0.142 AT 19:00 MST ON JUN 04	0.108 ON JUN 04	0.002E ON APR 01	342	1980
1981	1.59 AT 08:45 MST ON JUL 30	0.728 ON JUL 30	0.001E ON APR 11	878	1981
1982	0.239 AT 18:54 MST ON JUL 04	0.136 ON JUL 04	0 B ON APR 01	530	1982
1983	0.325 AT 04:01 MST ON JUL 03	0.202 ON JUL 03	0.002E ON APR 01	454	1983
1984	0.171 AT 02:13 MST ON JUN 09	0.140 ON JUN 09	0.001E ON AUG 27	185	1984
1985	0.130 AT 22:04 MST ON SEP 12	0.072 ON SEP 12	0.001 ON JUL 06	---	1985
1986	0.915 AT 16:15 MST ON JUL 17	0.533 ON JUL 17	---	1 440	1986
1987	0.061 AT 18:41 MST ON SEP 02	0.024 ON SEP 03	0.001 ON JUN 13	154	1987
1988	0.150 AT 09:21 MST ON AUG 01	0.097 ON AUG 01	0.001 ON JUN 23	261	1988
1989	0.156 AT 18:02 MST ON APR 30	0.107B ON APR 30	0.008B ON APR 06	417	1989
1990	1.36 E AT 01:20 MST ON JUN 02	0.736 ON JUN 02 *	0.002E ON APR 10	1 020	1990
				535	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER CREEK AT DICKINSON'S RANCH - STATION NO. 11AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0.312	0.180	0.147	---	---	---	---	---	1911
1915	---	---	---	---	---	0.306	0.102	0.042	0.033	0.031	---	---	---	1915
MEAN	---	---	---	---	---	0.309	0.141	0.095	0.033	0.031	---	---	---	MEAN

LOCATION - LAT 49 02 00 N, LONG 111 32 30 W
DRAINAGE AREA, 18.9 km^2
NATURAL FLOW

DEER CREEK AT DICKINSON'S RANCH - STATION NO. 11AA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1915	---	---	---	---	1915
				---	MEAN

DEER CREEK CATTLE CO. DITCH - STATION NO. 11AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	0.044	0.038	---	---	---	---	---	---	---	1923
1924	---	---	---	---	0.023	0.083	---	---	---	---	---	---	---	1924
1925	---	---	---	0.060	0.046	---	---	---	---	---	---	---	---	1925
1926	---	---	---	---	0.008	0.009	---	---	---	---	---	---	---	1926
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	---	---	---	---	---	---	---	---	---	---	---	1929
1930	---	---	---	---	0.022	0.002	---	---	---	---	---	---	---	1930
MEAN	---	---	---	0.060	0.029	0.033	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N, LONG 111 30 00 W
REGULATED

DEER CREEK CATTLE CO. DITCH - STATION NO. 11AA022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	0 ON JUN 04 *	---	1923
1924	---	---	0 ON MAY 25	---	1924
1925	---	---	0 ON MAR 26	---	1925
1926	---	---	0 ON MAY 01	---	1926
1928	---	---	0 ON APR 28	---	1928
1929	---	---	0 ON JUL 14	---	1929
1930	---	---	0 ON MAY 21	---	1930
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER CREEK CATTLE CO. EAST DITCH - STATION NO. 11AA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.114	0.036	0.016	0.018	---	---	---	---	---	---	1912
1915	---	---	---	0.040	0.057	0.047	0.054	---	0.008	---	---	---	---	1915
MEAN	---	---	---	0.077	0.047	0.032	0.036	---	0.008	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W REGULATED

DEER CREEK CATTLE CO. EAST DITCH - STATION NO. 11AA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 20 *	---	1912
1915	---	---	0 ON JUN 08	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DEER CREEK EAST BRANCH - STATION NO. 05CA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	---	---	---	---	1969
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 40 02 N DRAINAGE AREA, 0.98 km^2
LONG 115 07 51 W NATURAL FLOW

DEER CREEK EAST BRANCH - STATION NO. 05CA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	0.255 AT 03:30 MST ON JUN 29 *	---	---	---	1969
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.097	0.062	---	---	1966
1967	---	---	---	---	---	0.544	0.104	0.045	0.022	0.024	0.021	---	---	1967
1968	---	---	---	---	0.255	0.188	0.302	0.239	0.098	0.052	0.026	---	---	1968
1969	---	---	---	---	0.286	0.269	0.523	---	0.072	0.059	---	---	---	1969
1970	---	---	---	---	0.282	0.249	0.050	0.033	0.025	0.012	---	---	---	1970
1971	---	---	---	0.053	0.300	0.613	0.327	0.073	0.071	0.119	---	---	0.222	1971
1972	---	---	---	---	0.457	0.532	0.221	0.073	0.150	0.172	---	---	---	1972
1973	---	---	---	0.008	0.537	0.287	0.129	0.071	0.061	0.084	---	---	0.169	1973
1974	---	---	---	0.144	0.639	0.238	0.149	0.068	0.070	0.053	---	---	0.195	1974
1975	---	---	---	0.016	0.330	0.227	0.119	0.035	0.038	0.027	---	---	0.113	1975
1976	---	---	---	0.098	0.324	0.236	0.094	0.226	0.102	0.064	---	---	0.164	1976
1977	---	---	---	0.054	0.972	0.384	0.315	0.230	0.307	0.140	---	---	0.345	1977
1978	---	---	---	0.164	0.521	0.429	0.288	0.155	0.304	0.089	---	---	0.278	1978
1979	---	---	---	0.057	0.348	0.299	0.118	0.052	0.036	0.052	---	---	0.138	1979
1980	---	---	---	0.283	0.336	1.37	0.434	0.152	0.215	0.106	---	---	0.410	1980
1981	---	---	---	0.062	0.297	0.245	0.305	0.162	0.060	0.044	---	---	0.169	1981
1982	---	---	---	0.101	0.328	0.341	0.778	0.242	0.206	0.265	---	---	0.324	1982
1983	---	---	---	0.147	0.297	0.225	0.118	0.030	0.021	0.022	---	---	0.123	1983
1984	---	---	---	0.084	0.194	0.330	0.061	0.025	0.146	0.224	---	---	0.152	1984
1985	---	---	---	0.099	0.158	0.326	0.128	0.374	0.412	0.149	---	---	0.235	1985
1986	---	---	---	0.118	0.381	0.171	0.807	0.127	0.166	0.383	---	---	0.310	1986
1987	---	---	---	0.025	0.109	0.065	0.093	0.551	0.089	0.047	---	---	0.141	1987
1988	---	---	---	0.071	0.107	0.237	0.046	0.071	0.069	0.061	---	---	0.094	1988
1989	---	---	---	0.098	0.425	0.250	0.455	0.468	0.350	0.123	---	---	0.311	1989
1990	---	---	---	0.288	0.713	0.872	0.410	0.111	0.093	0.052	---	---	0.362	1990
MEAN	---	---	---	0.104	0.374	0.372	0.266	0.157	0.133	0.101	0.037	---	0.224	MEAN

LOCATION - LAT 53 09 20 N DRAINAGE AREA, 14 km^2
LONG 117 14 36 W NATURAL FLOW

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	2.01 AT 10:00 MST ON JUN 09	1.71 ON JUN 09	---	---	1967
1968	1.38 AT 02:50 MST ON JUL 22	1.15 ON JUL 22	---	---	1968
1969	11.9 AT 16:00 MST ON AUG 05 *	---	---	---	1969
1970	3.09 AT 06:50 MST ON JUN 16	1.52 ON JUN 16	---	---	1970
1971	2.39 AT 20:00 MST ON JUN 09	2.20 ON JUN 09	0.003B ON APR 01	4 110	1971
1972	2.60 AT 20:00 MST ON JUN 25	1.89 ON JUN 25	---	---	1972
1973	1.21 AT 19:30 MST ON MAY 16	0.909 ON MAY 16	0.001B ON APR 01 *	3 120	1973
1974	1.26B AT 18:00 MST ON MAY 06	1.08 B ON MAY 06	0.006B ON APR 01	3 610	1974
1975	---	0.731B ON MAY 09	0.006B ON APR 01	2 090	1975
1976	---	0.872B ON MAY 01	0.006B ON APR 01	3 030	1976
1977	3.96 AT 15:50 MST ON MAY 29	2.44 ON MAY 22	0.018B ON APR 21	6 370	1977
1978	---	1.78 B ON MAY 16	0.010B ON APR 01	5 150	1978
1979	1.33 AT 07:00 MST ON JUN 20	0.820 ON JUN 20	0.013B ON APR 01	2 540	1979
1980	11.3 AT 13:50 MST ON JUN 04	8.76 ON JUN 04 *	0.030B ON APR 01	7 590	1980
1981	1.16 AT 09:05 MST ON JUL 30	0.995 ON JUL 30	0.010B ON APR 01	3 120	1981
1982	5.47 AT 15:30 MST ON JUL 04	3.62 ON JUL 05	0.003B ON APR 01	6 000	1982
1983	1.00 AT 09:05 MST ON JUN 24	0.782 ON JUN 24	0.010B ON APR 10	2 270	1983
1984	1.33 AT 18:40 MST ON JUN 08	1.10 ON JUN 08	0.017 ON AUG 26	2 800	1984
1985	1.96 AT 23:50 MST ON SEP 12	1.44 A ON AUG 15	0.008B ON APR 19	4 340	1985
1986	7.56 AT 22:07 MST ON JUL 17	4.00 ON JUL 17	0.027B ON APR 03	5 730	1986
1987	6.68 AT 18:04 MST ON AUG 01	2.70 ON AUG 01	0.008B ON APR 18	2 610	1987
1988	2.72 AT 02:18 MST ON JUN 08	1.02 ON JUN 08	0.006B ON APR 01	1 740	1988
1989	2.61 AT 20:44 MST ON AUG 16	1.86 ON AUG 17	0.002B ON APR 01	5 750	1989
1990	4.67 AT 06:14 MST ON JUN 13	3.29 ON JUN 13	0.042B ON OCT 18	6 690	1990
				4 140	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEVIL'S CREEK NEAR BANKHEAD - STATION NO. 05BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	3.25	3.23	2.58	2.18	1.80	1.52	---	1910
1911	1.59	1.28	1.06	1.06	1.68	6.03	5.70	5.64	5.10	3.44	2.55	1.48	3.06	1911
1912	---	1.31	1.92	0.169	1.34	0	---	---	---	---	---	---	---	1912
MEAN	1.59	1.30	1.49	0.615	1.51	3.02	4.48	4.44	3.84	2.81	2.18	1.50	3.06	MEAN

LOCATION - LAT 51 15 00 N
LONG 115 29 00 W NATURAL FLOW

DEVIL'S CREEK NEAR BANKHEAD - STATION NO. 05BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	8.35 ON JUN 30 *	0.538 ON MAR 28	96 500	1911
1912	---	---	0 ON JUN 01 *	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		96 500	MEAN

DICKSON DAM TUNNEL OUTLET - STATION NO. 05CB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	60.0	26.6	17.6	20.9	17.8	16.8	---	1983
1984	16.7	16.5	16.2	17.0	37.4	16.5	19.4	28.7	23.4	20.5	16.7	16.3	20.5	1984
1985	16.7	15.6	16.5	16.8	16.3	26.0	20.1	34.1	16.2	27.0	17.8	16.2	20.0	1985
1986	16.4	16.0	16.3	16.6	11.4	11.6	0	52.1	30.3	63.0	26.5	17.2	23.8	1986
1987	16.9	17.2	17.7	23.0	29.7	34.9	57.0	51.0	31.0	20.2	17.4	16.9	27.8	1987
1988	16.6	15.8	16.2	16.8	17.0	32.5	38.0	60.0	23.2	27.8	17.4	16.8	24.9	1988
1989	16.1	15.9	15.7	20.4	42.6	52.6	44.1	64.9	47.3	21.5	18.0	17.3	31.4	1989
1990	16.8	16.1	16.1	47.4	---	---	---	56.8	27.2	15.4	15.5	18.8	---	1990
MEAN	16.6	16.1	16.4	22.6	25.7	29.0	34.1	46.8	28.0	27.0	18.4	17.0	24.7	MEAN

LOCATION - LAT 52 03 30 N DRAINAGE AREA, 5 600 km^2
LONG 114 13 02 W REGULATED SINCE 1983

DICKSON DAM TUNNEL OUTLET - STATION NO. 05CB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	---	62.3 ON MAY 19	12.5 ON JUN 30	647 000	1984
1985	---	49.6 ON AUG 24	0 ON SEP 13 *	630 000	1985
1986	---	85.3 ON OCT 04	0 ON MAY 15	752 000	1986
1987	85.9 AT 15:20 MST ON JUL 07	85.3 ON JUL 06	16.7 ON JAN 06	878 000	1987
1988	91.6 AT 18:39 MST ON AUG 05 *	90.2 ON AUG 08 *	15.2A ON JUN 08	788 000	1988
1989	85.1 AT 15:03 MST ON SEP 04	84.6 ON SEP 04	15.4 ON JAN 31	992 000	1989
1990	---	---	---	---	1990
A - MANUAL GAUGE (SEE REFERENCE INDEX)		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		781 000	MEAN

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	0.060	0.264	0.399	---	1972
1973	---	---	---	0.903	8.62	---	---	2.84	2.24	---	3.17	1.93	---	1973
1974	1.77	1.64	1.44	6.15	23.1	10.3	7.68	4.51	2.85	2.54	2.24	2.14	5.56	1974
1975	1.53	1.27	1.18	2.23	9.14	7.29	3.42	1.35	0.519	0.784	0.615	0.747	2.51	1975
1976	0.897	1.29	1.18	4.04	12.8	5.54	2.67	1.35	0.313	0.320	0.304	0.303	2.59	1976
1977	0.835	1.19	1.22	2.30	2.40	14.3	7.10	3.36	1.94	1.67	1.84	1.49	3.32	1977
1978	1.77	1.49	1.08	1.22	6.08	4.20	2.06	0.742	0.246	0.323	0.338	0.400	1.67	1978
1979	0.478	0.485	0.401	0.740	2.73	1.78	0.620	0.044	0.007	0.679	0.138	0.036	0.680	1979
1980	0.067	0.058	0.044	0.849	0.663	0.120	0.007	0.001	0.004	0.204	0.067	0.016	0.175	1980
1981	0.009	0.007	0.007	0.271	2.75	0.375	0.410	0.527	0.553	0.506	0.589	0.478	0.546	1981
1982	0.267	0.249	0.350	0.568	4.82	3.51	1.49	0.452	0.008	0.135	0.102	0.196	1.02	1982
1983	0.356	0.210	0.067	0.875	6.75	4.79	3.01	2.11	1.19	0.907	0.683	0.547	1.80	1983
1984	0.493	0.524	0.700	2.99	3.97	6.45	7.18	4.67	2.83	4.75	7.19	6.47	4.03	1984
1985	3.64	2.60	2.12	2.79	29.2	13.6	4.53	2.08	1.24	0.778	0.324	0.272	5.30	1985
1986	0.402	0.457	0.445	0.811	3.54	4.41	5.16	2.47	1.94	1.40	0.871	0.774	1.90	1986
1987	0.829	0.881	0.940	3.46	14.8	6.10	2.60	1.35	0.880	0.906	1.21	0.889	2.92	1987
1988	0.573	0.393	0.490	1.42	---	16.1	8.89	7.95	5.74	3.53	2.38	1.42	---	1988
1989	1.32	1.12	1.05	1.66	9.85	11.0	4.26	1.91	1.27	1.07	0.880	0.868	3.03	1989
1990	0.966	0.779	1.18	1.28	5.56	3.37	1.67	0.880	0.274	0.572	1.09	1.01	1.56	1990
MEAN	0.953	0.861	0.817	1.92	8.63	6.66	3.69	2.14	1.34	1.19	1.28	1.07	2.41	MEAN

LOCATION - LAT 59 52 35 N LONG 111 31 15 W
DRAINAGE AREA, 2 020 km^2
NATURAL FLOW

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	28.9 ON MAY 01	1.27 B ON APR 10	175 000	1974
1975	---	10.1 ON MAY 13	0.323 ON SEP 22	79 300	1975
1976	---	17.2 E ON MAY 03	0.283B ON DEC 21	82 000	1976
1977	28.0 AT 18:00 MST ON JUN 20	27.8 ON JUN 20	0.654B ON JAN 01	105 000	1977
1978	8.27 AT 03:00 MST ON MAY 12	8.21 ON MAY 12	0.156 ON SEP 07	52 500	1978
1979	---	3.65B ON MAY 17	0.002 ON SEP 02	21 400	1979
1980	---	1.95B ON APR 21	0.001 ON AUG 07 *	5 530	1980
1981	---	4.20E ON MAY 03	0.003 ON JUN 25	17 200	1981
1982	---	6.51 ON MAY 18	0.001 ON AUG 30	32 100	1982
1983	8.60 AT 06:45 MST ON MAY 13	8.40 ON MAY 13	0.046B ON APR 03	56 800	1983
1984	8.41 AT 21:40 MST ON JUN 09	8.37 ON JUN 10	0.479B ON JAN 26	127 000	1984
1985	36.5 AT 21:44 MST ON MAY 10 *	36.5 ON MAY 10 *	0.148B ON NOV 23	167 000	1985
1986	8.46 AT 18:20 MST ON JUN 29	8.39 ON JUN 29	0.323B ON JAN 01	59 900	1986
1987	18.0 AT 17:00 MST ON MAY 07	17.9 ON MAY 07	0.667 ON SEP 04	92 200	1987
1988	---	---	0.382B ON FEB 20	---	1988
1989	16.3 AT 02:43 MST ON JUN 02	16.1 ON JUN 02	0.840B ON DEC 07	95 700	1989
1990	---	6.59 ON MAY 12	0.013 ON SEP 14	49 200	1990
B - ICE CONDITIONS E - ESTIMATED		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		76 100	MEAN

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	3.86	7.94	3.62	1.23	0.345	---	1975
1976	0.209	0.215	0.205	9.75	2.19	1.01	0.962	0.992	1.91	---	---	0.153	---	1976
1977	0.073	0.041	0.028	1.34	0.828	0.878	1.12	0.201	0.329	0.888	0.304	0.205	0.521	1977
MEAN	0.141	0.128	0.117	5.55	1.51	0.944	1.04	1.68	3.39	2.25	0.767	0.234	0.521	MEAN

LOCATION - LAT 57 10 12 N LONG 111 47 38 W
DRAINAGE AREA, 963 km^2
NATURAL FLOW

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	24.6 B ON APR 13 *	0.085B ON DEC 28	---	1976
1977	---	3.54B ON APR 16	0.028B ON MAR 03 *	16 400	1977
				16 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN L-5 NEAR DIAMOND CITY - STATION NO. 05AD040

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.011	0.028	0.025	0.021	0.037	0.018	---	---	0.023	1985
1986	---	---	---	---	0.005	0.045	0.061	0.049	0.045	0.009	---	---	0.036	1986
1987	---	---	---	---	0.030	0.045	0.069	0.042	0.019	0.009	---	---	0.036	1987
1988	---	---	---	---	0.057	0.042	0.077	0.035	0.018	0.029	---	---	0.043	1988
1989	---	---	---	---	0.022	0.045	0.018	0.036	0.095	0.018	---	---	0.039	1989
1990	---	---	---	---	0.030	0.029	0.034	0.036	0.031	0.050	---	---	0.035	1990
MEAN	---	---	---	---	0.026	0.039	0.047	0.037	0.041	0.022	---	---	0.035	MEAN

LOCATION - LAT 49 47 20 N
LONG 112 51 20 W REGULATED

DRAIN L-5 NEAR DIAMOND CITY - STATION NO. 05AD040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	0.144 ON JUL 29	0 ON MAY 01 *	371	1985
1986	---	0.121 ON JUL 21	0 ON MAY 01	565	1986
1987	---	0.176 ON JUN 21 *	0 ON MAY 01	565	1987
1988	---	0.141 ON JUL 09	0 ON OCT 23	688	1988
1989	---	0.106 ON SEP 04	0 ON MAY 01	613	1989
1990	---	0.120 ON OCT 24	0 ON MAY 01	559	1990
				560	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.013	0.065	0.255	0.243	0.202	0.079	0.031	---	---	0.146	1973
1974	---	---	---	---	0.013	0.122	0.337	0.271	0.101	0.167	---	---	0.169	1974
1975	---	---	---	---	0.068	0.093	0.296	0.302	0.038	0.033	---	---	0.139	1975
1976	---	---	---	---	0.070	0.408	0.520	0.178	0.096	0.092	---	---	0.227	1976
1977	---	---	---	---	0.167	0.382	0.424	0.241	0.026	0.037	---	---	0.213	1977
1978	---	---	---	---	0.015	0.096	0.553	0.175	0.043	0.031	---	---	0.146	1978
1979	---	---	---	---	0.020	0.474	0.624	0.238	0.116	0.118	---	---	0.265	1979
1980	---	---	---	---	0.161	0.124	0.365	0.253	0.056	0.094	---	---	0.176	1980
1981	---	---	---	---	0.070	0.383	0.596	0.313	0.282	0.364	---	---	0.335	1981
1982	---	---	---	---	0.047	0.207	0.782	0.512	0.103	0.056	---	---	0.259	1982
1983	---	---	---	---	0.040	0.600	1.02	0.553	0.355	0.232	---	---	0.469	1983
1984	---	---	---	---	0.069	0.409	0.738	0.325	0.077	0.032	---	---	0.275	1984
1985	---	---	---	---	0.007	0.317	0.524	0.381	0.030	0.041	---	---	0.217	1985
1986	---	---	---	---	0.017	0.546	0.744	0.407	0.303	0.066	---	---	0.346	1986
1987	---	---	---	---	0.203	0.583	0.684	0.272	0.119	0.102	---	---	0.327	1987
1988	---	---	---	---	0.466	0.575	0.718	0.226	0.124	0.042	---	---	0.359	1988
1989	---	---	---	---	0.122	0.287	0.612	0.382	0.026	0.066	---	---	0.250	1989
1990	---	---	---	---	0.102	0.266	0.622	0.387	0.301	0.081	---	---	0.293	1990
MEAN	---	---	---	0.013	0.096	0.338	0.578	0.312	0.131	0.094	---	---	0.258	MEAN

LOCATION - LAT 49 55 40 N
LONG 111 24 50 W REGULATED

DRAIN S-10 NEAR BOW ISLAND - STATION NO. 05AJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.22 ON JUN 16	0.002 ON MAY 10	2 310	1973
1974	---	0.708 ON AUG 13	0.004 ON MAY 10	2 690	1974
1975	---	0.801 ON JUN 20	0.004 ON JUN 08	2 210	1975
1976	---	1.12 ON JUL 12	0.008 ON MAY 03	3 610	1976
1977	---	1.03 E ON JUL 01	0.004 ON JUL 27	3 380	1977
1978	---	1.12 E ON JUL 27	0.003 ON MAY 28	2 330	1978
1979	---	1.23 ON JUL 01	0.007 ON OCT 27	4 210	1979
1980	---	1.37 ON AUG 04	0 ON JUN 06 *	2 800	1980
1981	---	1.11 ON JUL 17	0.002 ON MAY 01	5 320	1981
1982	---	1.23 ON JUL 06	0.004 ON MAY 24	4 750	1982
1983	---	3.28 ON JUL 20 *	0.001 ON MAY 25	7 410	1983
1984	---	1.34 ON JUN 22	0 B ON OCT 25	4 380	1984
1985	---	0.849 ON AUG 06	0.002 ON MAY 21	3 450	1985
1986	---	1.84 A ON SEP 25	0 ON MAY 27	5 510	1986
1987	---	1.32 ON JUL 06	0.002A ON OCT 20	5 200	1987
1988	---	1.23 ON JUN 29	0.005 ON OCT 25	5 710	1988
1989	---	0.961 ON JUL 25	0.002 ON SEP 22	3 980	1989
1990	---	0.937 ON JUL 19	0.005 ON MAY 07	4 660	1990
				4 110	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	0	0.186	0.100	0.231	0.164	0.158	0.165	0.255	---	0.168	1972
1973	---	---	---	---	0.174	0.151	0.211	0.221	0.264	0.118	---	---	0.190	1973
1974	---	---	---	---	0.009	0.193	0.223	0.098	0.153	0.174	---	---	0.141	1974
1975	---	---	---	---	0.007	0.140	0.208	0.197	0.079	0.058	---	---	0.115	1975
1976	---	---	---	---	0.142	0.397	0.262	0.199	0.198	0.281	0.319	---	0.246	1976
1977	---	---	---	---	0.309	0.273	0.256	0.220	0.217	0.226	---	---	0.250	1977
1978	---	---	---	---	0.001	0.110	0.184	0.211	0.152	0.138	---	---	0.133	1978
1979	---	---	---	---	0.059	0.315	0.269	0.336	0.202	0.168	---	---	0.224	1979
1980	---	---	---	---	0.175	0.286	0.236	0.271	0.418	0.647	---	---	0.339	1980
1981	---	---	---	---	0.095	0.302	0.337	0.234	0.205	0.470	---	---	0.274	1981
1982	---	---	---	---	0.226	0.284	0.167	0.242	0.294	0.346	---	---	0.260	1982
1983	---	---	---	---	0.030	0.357	0.357	0.259	0.385	0.126	---	---	0.251	1983
1984	---	---	---	---	0.245	0.338	0.357	0.360	0.262	0.098	---	---	0.276	1984
1985	---	---	---	---	0.173	0.362	0.353	0.355	0.532	0.136	---	---	0.317	1985
1986	---	---	---	---	---	---	---	0.284	0.635	0.757	---	---	---	1986
MEAN	---	---	---	0	0.131	0.258	0.261	0.243	0.277	0.261	0.287	---	0.227	MEAN

LOCATION - LAT 49 53 53 N
LONG 111 40 00 W
REGULATED

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	0.541 ON SEP 26	0 ON MAY 01 *	2 670	1972
1973	---	0.445 ON MAY 23	0 ON MAY 01	3 010	1973
1974	---	0.419 ON JUL 03	0 A ON MAY 01	2 250	1974
1975	---	0.419 ON OCT 27	0 ON MAY 14	1 830	1975
1976	---	0.620 ON JUN 19	0 ON MAY 01	3 910	1976
1977	---	0.617 ON MAY 15	0.001 ON MAY 01	3 980	1977
1978	---	0.345 ON JUL 03	0 ON MAY 06	2 110	1978
1979	---	0.713 ON JUL 02	0 E ON MAY 01	3 570	1979
1980	---	0.756 ON OCT 25 *	0 ON MAY 01	5 380	1980
1981	---	0.622 ON OCT 24	0 ON MAY 01	4 360	1981
1982	---	0.597 ON JUN 08	0 ON MAY 01	4 130	1982
1983	---	0.657 ON JUL 09	0 ON MAY 01	3 990	1983
1984	---	0.718 ON MAY 23	0 ON MAY 01	4 390	1984
1985	---	0.744 ON SEP 08	0 ON MAY 01	5 040	1985
1986	---	---	---	---	1986
				3 620	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN S-6 NEAR BOW ISLAND - STATION NO. 05AJ004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	0.053	0.119	0.084	0.126	0.024	0.040	---	---	0.074	1987
1988	---	---	---	---	0.111	0.140	0.121	0.054	0.097	0.055	---	---	0.096	1988
1989	---	---	---	---	0.004	0.098	0.224	0.172	0.129	0.142	---	---	0.128	1989
1990	---	---	---	---	0.129	0.125	0.097	0.122	0.134	0.096	---	---	0.117	1990
MEAN	---	---	---	---	0.074	0.121	0.132	0.119	0.096	0.083	---	---	0.104	MEAN

LOCATION - LAT 49 54 09 N
LONG 111 28 36 W
REGULATED

DRAIN S-6 NEAR BOW ISLAND - STATION NO. 05AJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	0.222 ON AUG 15	0.001 ON MAY 01 *	1 180	1987
1988	---	0.564 ON JUN 14 *	0.001 ON AUG 25	1 530	1988
1989	---	0.513 ON JUN 14	0.002 ON MAY 01	2 040	1989
1990	---	0.529 ON MAY 25	0.002 ON MAY 01	1 860	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 650	MEAN

DRAIN T-1 NEAR TABER - STATION NO. 05AG027

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.023	0.092	0.214	0.089	0.052	0.020	---	---	0.082	1985
1986	---	---	---	---	0.009	0.084	0.303	0.287	0.196	0.083	---	---	0.161	1986
1987	---	---	---	---	0.115	0.246	0.281	0.153	0.143	0.036	---	---	0.162	1987
1988	---	---	---	---	0.155	0.170	0.148	0.091	0.058	0.052	---	---	0.114	1988
1989	---	---	---	---	0.034	0.087	0.185	0.062	0.038	0.030	---	---	0.073	1989
1990	---	---	---	---	0.064	0.108	0.217	0.158	0.122	0.145	---	---	0.136	1990
MEAN	---	---	---	---	0.067	0.133	0.225	0.140	0.102	0.061	---	---	0.121	MEAN

LOCATION - LAT 49 40 10 N
LONG 112 13 52 W REGULATED

DRAIN T-1 NEAR TABER - STATION NO. 05AG027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	0.350 ON JUL 21	0 ON MAY 05 *	1 300	1985
1986	---	0.538 ON AUG 25	0 ON MAY 26	2 560	1986
1987	---	0.532 ON JUN 21	0.001E ON OCT 16	2 580	1987
1988	---	0.690A ON JUN 07 *	0.001 ON OCT 14	1 810	1988
1989	---	0.467 ON JUN 11	0 ON MAY 06	1 160	1989
1990	---	0.467 ON OCT 11	0 ON MAY 01	2 160	1990
A - MANUAL GAUGE (SEE REFERENCE INDEX)	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 930	MEAN

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.006	0.079	0.118	0.221	0.209	0.160	0.070	---	---	0.143	1973
1974	---	---	---	---	0.007	0.143	0.130	0.092	0.179	0.091	---	---	0.107	1974
1975	---	---	---	---	0.098	0.085	0.191	0.220	0.218	0.131	---	---	0.157	1975
1976	---	---	---	---	0.057	0.232	0.203	0.164	0.119	0.054	---	---	0.138	1976
1977	---	---	---	---	0.110	0.176	0.209	0.147	0.130	0.097	---	---	0.145	1977
1978	---	---	---	---	0.086	0.046	0.267	0.273	0.229	0.158	---	---	0.177	1978
1979	---	---	---	---	0.015	0.146	0.158	0.182	0.107	0.136	---	---	0.124	1979
1980	---	---	---	---	0.141	0.109	0.177	0.144	0.151	0.091	---	---	0.135	1980
1981	---	---	---	---	0.074	0.220	0.277	0.219	0.176	0.190	---	---	0.192	1981
1982	---	---	---	---	0.104	0.236	0.348	0.281	0.400	0.189	---	---	0.259	1982
1983	---	---	---	---	0.066	0.285	0.273	0.277	0.264	0.129	---	---	0.215	1983
1984	---	---	---	---	0.130	0.320	0.231	0.239	0.094	0.116	---	---	0.188	1984
MEAN	---	---	---	0.006	0.081	0.176	0.224	0.204	0.186	0.121	---	---	0.165	MEAN

LOCATION - LAT 49 52 50 N
LONG 112 00 49 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---				
1974	---	0.379 ON JUN 15	0.001 ON MAY 10	2 270	1973
		0.286 ON SEP 11	0.001 ON MAY 09	1 690	1974
1975	---	0.493 ON AUG 17	0.006 ON OCT 31	2 500	1975
1976	---	0.360 ON JUN 06	0 ON MAY 06 *	2 190	1976
1977	---	0.334 ON JUN 30	0 ON MAY 01	2 300	1977
1978	---	0.419 ON AUG 23	0 ON JUN 16	2 810	1978
1979	---	0.363 ON AUG 25	0 ON MAY 27	1 970	1979
1980	---	0.431 ON MAY 24	0.003 ON MAY 01	2 150	1980
1981	---	0.510 ON JUL 26	0 ON MAY 01	3 060	1981
1982	---	0.755 ON JUL 02	0.008 ON MAY 16	4 120	1982
1983	---	0.956 ON JUL 08 *	0.005 ON OCT 27	3 420	1983
1984	---	0.711 ON JUN 22	0 B ON OCT 27	2 990	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 620	MEAN

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.073	0.276	0.258	0.339	0.281	0.093	---	---	0.219	1972
1973	---	---	---	---	0.076	0.164	0.211	0.237	0.233	0.059	---	---	0.163	1973
1974	---	---	---	---	0.021	0.231	0.290	0.206	0.383	0.204	---	---	0.222	1974
1975	---	---	---	---	0.129	---	0.099	0.255	0.323	0.203	---	---	---	1975
1976	---	---	---	---	0.149	0.229	0.233	0.233	0.312	0.209	---	---	0.227	1976
1977	---	---	---	---	0.326	0.284	0.221	0.193	0.230	0.152	---	---	0.234	1977
1978	---	---	---	---	0.019	0.067	0.346	0.458	0.228	0.145	---	---	0.211	1978
1979	---	---	---	---	0.046	0.387	0.230	0.368	0.226	0.223	---	---	0.246	1979
1980	---	---	---	---	0.227	0.200	0.317	0.247	0.325	0.236	---	---	0.259	1980
1981	---	---	---	---	0.506	0.406	0.413	0.316	0.246	0.144	---	---	0.339	1981
1982	---	---	---	---	0.089	0.327	0.377	0.434	0.412	0.210	---	---	0.308	1982
1983	---	---	---	---	0.048	0.400	0.339	0.395	0.332	0.097	---	---	0.268	1983
1984	---	---	---	---	0.173	0.347	0.458	0.408	0.387	0.071	---	---	0.306	1984
MEAN	---	---	---	---	0.145	0.277	0.292	0.315	0.301	0.157	---	---	0.250	MEAN

LOCATION - LAT 49 48 30 N
LONG 112 10 45 W REGULATED

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	
1973	---	1.06 ON JUN 03	0.012B ON OCT 31	3 490	1972
1974	---	0.580 ON JUN 15	0.004 ON MAY 02	2 590	1973
		0.674 ON SEP 03	0.003 ON MAY 12	3 520	1974
1975	---	---	---	---	
1976	---	---	0.006 ON MAY 18	---	1975
1977	---	1.22 ON AUG 10	0.009E ON OCT 31	3 610	1976
1978	---	0.549 ON MAY 23	0.002 ON MAY 01	3 730	1977
1979	---	1.63 ON AUG 23	0.005 ON MAY 21	3 360	1978
		1.45 ON AUG 24	0.004 ON MAY 24	3 910	1979
1980	---	0.810 ON MAY 24	0.006 ON MAY 06	4 110	1980
1981	---	5.19 ON MAY 24 *	0.004 ON MAY 21	5 390	1981
1982	---	0.830E ON SEP 27	0.008 ON MAY 02	4 890	1982
1983	---	0.861 ON JUL 07	0.001 ON MAY 08 *	4 250	1983
1984	---	0.743 ON JUL 30	0.001 ON MAY 01	4 870	1984
				3 980	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.064	0.038	0.039	0.031	0.036	---	---	---	1975
1976	---	---	0.117	0.712	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.036	0.073	0.081	0.034	0.013	0.024	0.026	0.037	---	---	0.040	1977
1978	---	---	0.098	0.355	0.055	0.043	0.018	0.033	0.338	0.224	---	---	0.144	1978
1979	---	---	0.942	2.35	0.664	0.035	0.062	0.009	0.013	0.057	---	---	0.513	1979
1980	---	---	0.019	1.28	0.088	0.127	0.136	0.052	0.044	0.040	---	---	0.220	1980
1981	---	---	0.531	0.624	0.068	0.032	0.061	0.003	0.003	0.006	---	---	0.165	1981
1982	---	---	0	1.74	0.641	0.081	4.50	0.737	0.121	0.097	---	---	0.993	1982
1983	---	---	0.278	3.08	0.292	0.465	4.42	0.131	0.046	0.053	---	---	1.09	1983
1984	---	---	0.146	0.095	0.037	0.067	0.029	0.006	0.024	0.033	---	---	0.055	1984
1985	---	---	1.31	2.10	0.202	0.042	0.030	0.038	0.057	0.041	---	---	0.474	1985
1986	---	---	2.18	0.595	0.135	0.042	0.080	0.039	0.088	0.053	---	---	0.403	1986
1987	---	---	0.057	1.25	0.065	0.011	0.015	0.034	0.040	0.150	---	---	0.200	1987
1988	---	---	0.023	0.157	0.037	0.848	0.036	0.095	0.021	0.040	---	---	0.155	1988
1989	---	---	0.011	0.998	0.049	0.030	0.103	0.043	0.021	0.054	---	---	0.161	1989
1990	---	---	0.564	1.25	0.106	0.044	0.179	0.024	0.012	0.022	---	---	0.274	1990
MEAN	---	---	0.421	1.11	0.180	0.131	0.648	0.087	0.059	0.063	---	---	0.349	MEAN

LOCATION - LAT 52 52 53 N DRAINAGE AREA, 1 150 km^2
LONG 112 38 20 W NATURAL FLOW

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	1.96 B ON APR 03	0 B ON MAR 01 *	---	1977
1978	---	0.181 ON MAY 16	0 ON AUG 07	856	1978
1979	---	0.680 ON SEP 28	0.007 ON JUL 26	3 050	1979
1980	3.74 AT 16:50 MST ON APR 16	5.17 A ON APR 19	0 ON AUG 22	10 900	1980
1981	---	3.39 ON APR 17	0.001B ON MAR 01	4 650	1981
1982	7.72 AT 18:55 MST ON JUL 08	1.50 ON APR 05	0.001 ON JUL 29	3 500	1982
1983	16.2 AT 15:28 MST ON JUL 01 *	7.59 ON JUL 09	0 B ON MAR 01	21 000	1983
1984	---	14.3 ON JUL 01 *	0.006 ON JUN 14	23 100	1984
1985	---	0.806 ON JUN 09	0.001 ON AUG 15	1 160	1985
1986	---	5.55 B ON APR 02	0.002 ON AUG 01	10 000	1986
1987	2.95 AT 06:20 MST ON APR 12	5.31 B ON MAR 27	0.006 ON SEP 10	8 530	1987
1988	10.1 AT 22:40 MST ON JUN 09	2.85 ON APR 12	0.001 ON JUN 14	4 240	1988
1989	---	7.53 ON JUN 09	0.002 ON SEP 24	3 280	1989
1990	---	1.78 B ON APR 03	0 B ON MAR 01	3 420	1990
		5.76 B ON MAR 31	0.002 ON MAY 09	5 790	
				7 390	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.228	6.75	26.6	22.9	5.33	8.82	3.26	3.05	---	---	9.60	1973
1974	---	---	0.295	25.5	29.8	3.88	15.5	2.35	2.57	2.40	---	---	10.3	1974
1975	---	---	0.247	3.77	9.88	22.0	14.8	9.44	7.22	1.75	---	---	8.60	1975
1976	---	---	0.313	14.8	10.2	19.1	12.4	27.6	8.19	2.11	---	---	11.8	1976
1977	---	---	0.485	15.1	23.1	12.5	25.3	2.74	3.90	2.09	---	---	10.7	1977
1978	---	---	0.255	9.08	13.6	13.0	2.78	1.69	14.4	2.23	---	---	7.06	1978
1979	---	---	0.389	4.73	30.3	28.1	28.7	1.10	0.872	0.659	---	---	11.9	1979
1980	---	---	0.039	5.35	5.56	5.19	2.85	4.81	8.58	1.82	---	---	4.25	1980
1981	---	---	0.386	9.44	9.37	10.6	4.26	0.569	0.442	0.617	---	---	4.43	1981
1982	---	---	0.125	1.17	19.1	1.55	9.86	13.9	1.05	0.669	---	---	5.98	1982
1983	---	---	0.045	1.31	2.12	27.3	36.6	4.45	2.79	1.63	---	---	9.51	1983
1984	---	---	0.364	3.35	13.5	15.3	6.21	2.04	4.79	1.77	---	---	5.90	1984
1985	---	---	0.383	14.1	22.7	6.30	1.76	1.01	10.7	7.62	---	---	8.04	1985
1986	---	---	0.420	7.54	19.8	5.11	29.7	4.23	2.21	7.55	---	---	9.63	1986
MEAN	---	---	0.284	8.71	16.8	13.8	14.0	6.05	5.07	2.57	---	---	8.41	MEAN

LOCATION - LAT 55 20 48 N LONG 115 47 39 W DRAINAGE AREA, 840 km^2 NATURAL FLOW

REMARKS - HIGH WATER MARK OBTAINED FOR JUL 7 1988 FLOOD. PEAK GAUGE HEIGHT WAS 8.385 M (GSC ELEV.=591.980)

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	129 AT 0[illegible] MST ON MAY 21	111 ON JUN 17	0.193B ON MAR 11	203 000	1973
1974	180 AT 15:00 MST ON JUL 13	136 ON JUL 13	0.255B ON MAR 15	218 000	1974
1975	210 AT 16:00 MST ON JUN 28	193 ON JUN 28	0.227B ON APR 09	182 000	1975
1976	189 AT 12:00 MST ON AUG 18	164 ON AUG 18	0.218B ON MAR 03	250 000	1976
1977	109 AT 23:00 MST ON MAY 29	86.9 ON JUL 12	0.354B ON MAR 21	226 000	1977
1978	104 AT 06:00 MST ON SEP 18	88.3 ON SEP 18	0.153B ON MAR 06	150 000	1978
1979	220 AT 16:00 MST ON JUN 14	185 ON JUN 14	0.173 ON AUG 18	251 000	1979
1980	36.6 AT 15:00 MST ON MAY 28	31.4 ON MAY 28	0.020B ON MAR 03 *	89 900	1980
1981	47.6 AT 05:30 MST ON APR 25	40.0 ON APR 25	0.200B ON MAR 10	93 700	1981
1982	125 AT 13:40 MST ON AUG 03	111 ON AUG 04	0.063B ON MAR 01	127 000	1982
1983	312 AT 13:00 MST ON JUN 26 *	262 ON JUN 26 *	0.025B ON MAR 06	201 000	1983
1984	99.6 AT 22:30 MST ON JUN 07	87.8 ON JUN 08	0.141B ON MAR 16	125 000	1984
1985	75.5 AT 06:30 MST ON MAY 04	67.1 ON MAY 04	0.140B ON MAR 01	170 000	1985
1986	273 AT 22:00 MST ON JUL 18	191 ON JUL 18	0.273B ON MAR 18	204 000	1986
				178 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.053	0.489	5.31	17.0	9.42	4.40	3.18	1.68	---	---	---	1968
1969	---	---	0.562	12.2	13.1	6.18	1.94	1.07	7.23	10.7	---	---	---	1969
1970	---	---	0.479	4.25	16.6	28.6	76.2	10.9	4.38	1.46	0.745	0.061	---	1970
1971	0.012	0.019	0.019	7.76	11.8	28.8	63.4	9.80	3.16	1.30	0.755	0.651	10.7	1971
1972	0.568	0.280	0.268	3.83	26.9	24.9	16.5	6.75	2.62	3.25	2.35	1.10	7.46	1972
1973	0.767	0.570	0.664	5.11	23.6	43.2	14.8	8.23	4.84	5.55	4.32	2.45	9.53	1973
1974	1.85	1.82	1.06	30.3	57.2	9.93	27.2	8.22	9.08	6.59	3.06	1.82	13.3	1974
1975	1.12	0.379	0.350	3.68	21.6	32.2	42.1	16.1	18.0	5.69	3.28	1.02	12.2	1975
1976	0.607	0.584	0.458	5.88	4.38	8.65	19.5	23.6	16.6	7.56	3.17	0.108	7.62	1976
1977	0.146	0.241	0.735	9.06	29.1	32.4	22.8	11.1	8.47	7.00	2.67	1.25	10.5	1977
1978	0.636	0.675	0.838	11.6	30.3	21.5	7.46	2.09	22.2	10.3	3.07	1.45	9.36	1978
1979	0.648	0.626	0.757	2.01	29.5	28.1	35.7	7.30	1.17	0.511	0.372	0.364	8.99	1979
1980	0.261	0.270	0.289	3.64	2.78	4.09	4.44	13.4	13.1	9.03	4.21	1.21	4.74	1980
1981	0.495	0.359	0.520	7.19	12.1	7.51	8.22	2.26	0.165	0.197	0.339	0.007	3.30	1981
1982	0.001	0	0.087	3.45	20.1	4.63	19.3	17.7	3.73	1.16	0.658	0.417	6.04	1982
1983	0.287	0.311	0.307	4.11	7.47	12.5	56.4	30.8	6.19	4.28	2.64	1.50	10.7	1983
1984	0.410	0.350	0.275	3.53	10.9	26.1	19.9	4.79	10.8	6.65	3.48	2.34	7.45	1984
1985	1.28	1.25	0.777	14.9	38.3	7.18	3.71	1.63	4.12	7.57	2.27	1.19	7.06	1985
1986	1.03	0.657	0.581	5.21	17.9	13.8	24.5	11.2	1.54	1.44	0.905	0.555	6.67	1986
1987	0.427	0.432	0.538	8.58	9.67	12.3	1.84	2.98	1.30	0.387	0.226	0.102	3.23	1987
1988	0.012	0.056	0.410	3.99	8.57	20.0	38.9	3.89	0.724	0.276	0.118	0.121	6.46	1988
1989	0.325	0.357	0.276	2.91	13.2	12.8	7.52	5.14	2.40	1.18	0.977	0.820	4.02	1989
1990	0.555	0.479	0.361	6.30	13.8	15.1	4.80	0.484	0.079	0.197	0.107	0.027	3.52	1990
MEAN	0.572	0.486	0.464	6.96	18.5	18.1	22.9	8.86	6.31	4.09	1.89	0.888	7.64	MEAN

LOCATION - LAT 55 15 19 N
LONG 114 13 54 W
DRAINAGE AREA, 2 100 km²
NATURAL FLOW

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	92.6 AT 01:30 MST ON JUN 14	65.1 ON JUN 14	---	---	1968
1969	30.3 AT 10:00 MST ON APR 30	29.7 ON APR 30	---	---	1969
1970	300 AT 10:30 MST ON JUN 30	260 ON JUN 30 *	---	---	1970
1971	246 AT 18:30 MST ON JUL 04	202 ON JUL 04	0.002B ON JAN 24	338 000	1971
1972	92.3 AT 23:30 MST ON JUN 18	72.5 ON JUN 19	0.085B ON MAR 28	236 000	1972
1973	156 AT 17:30 MST ON JUN 17	137 ON JUN 17	0.204B ON JAN 03	301 000	1973
1974	130 AT 22:00 MST ON JUL 13	108 ON APR 28	0.850B ON MAR 23	419 000	1974
1975	172 AT 14:00 MST ON JUN 28	150 ON JUN 28	0.178B ON MAR 08	385 000	1975
1976	90.0 AT 13:30 MST ON AUG 27	77.3 ON AUG 27	0.085B ON DEC 19	241 000	1976
1977	105 AT 03:30 MST ON JUN 03	95.1 ON JUN 03	0.096B ON JAN 01	330 000	1977
1978	64.6 AT 14:00 MST ON APR 30	61.4 ON APR 30	0.467B ON JAN 25	295 000	1978
1979	135 AT 15:00 MST ON JUL 14	122 ON JUL 14	0.195B ON NOV 29	284 000	1979
1980	27.5 AT 07:00 MST ON AUG 06	25.9 ON AUG 06	0.157B ON JAN 31	150 000	1980
1981	24.7 AT 18:30 MST ON JUL 23	21.4 ON APR 26	0.002B ON DEC 29	104 000	1981
1982	69.2 AT 11:21 MST ON JUL 16	58.4 ON JUL 21	0 B ON JAN 25 *	190 000	1982
1983	129 AT 18:30 MST ON JUL 22	117 ON JUL 22	0.267B ON JAN 28	337 000	1983
1984	82.5 AT 05:30 MST ON JUN 02	72.7 ON JUN 02	0.164B ON MAR 14	236 000	1984
1985	90.6E AT 04:30 MST ON MAY 05	82.7E ON MAY 05	0.594B ON MAR 17	223 000	1985
1986	64.9 AT 03:30 MST ON JUL 19	60.6 ON JUL 19	0.416B ON MAR 04	210 000	1986
1987	38.3 AT 12:00 MST ON JUN 03	34.9 ON JUN 03	0.025B ON DEC 31	102 000	1987
1988	351 AT 18:30 MST ON JUL 07 *	231 ON JUL 07	0.009B ON JAN 24	204 000	1988
1989	35.5 AT 15:30 MST ON MAY 25	33.3 ON MAY 26	0.187B ON JAN 01	127 000	1989
1990	47.6 AT 18:00 MST ON JUN 13	45.0 ON JUN 13	0.003B ON DEC 29	111 000	1990
				241 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.306	0.143	0.140	---	---	---	1980
1981	---	---	---	---	0.294	0.400	0.427	0.133	0.216	0.233	---	---	0.284	1981
1982	---	---	---	---	0.026	0.389	0.391	0.342	0.199	0.082	---	---	0.237	1982
1983	---	---	---	---	0.046	0.356	0.506	0.337	0.191	0.068	---	---	0.250	1983
1984	---	---	---	---	0.103	0.428	0.393	0.434	0.401	0.102	---	---	0.309	1984
1985	---	---	---	---	0.178	0.483	0.785	0.295	0.278	0.122	---	---	0.357	1985
1986	---	---	---	---	0.087	0.392	0.485	0.289	0.240	0.048	---	---	0.256	1986
1987	---	---	---	---	0.412	0.381	0.368	0.203	0.218	0.077	---	---	0.276	1987
1988	---	---	---	---	0.454	0.521	0.609	0.454	0.324	0.029	---	---	0.398	1988
1989	---	---	---	---	0.259	0.288	0.561	0.394	0.086	0.106	---	---	0.283	1989
1990	---	---	---	---	0.180	0.187	0.588	0.447	0.379	0.197	---	---	0.330	1990
MEAN	---	---	---	---	0.204	0.383	0.511	0.330	0.243	0.109	---	---	0.298	MEAN

LOCATION - LAT 49 29 39 N
LONG 112 55 48 W
DRAINAGE AREA, 54.9 km²
REGULATED

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	5.72 ON JUN 14 *	0.004 ON MAY 02	4 510	1981
1982	---	3.00 ON JUL 02	0.002 ON OCT 17	3 770	1982
1983	---	1.53 ON JUL 05	0.007E ON OCT 15	3 980	1983
1984	---	1.30 ON JUL 31	0 ON MAY 12 *	4 910	1984
1985	---	3.16 ON SEP 12	0.006 ON MAY 11	5 670	1985
1986	---	1.14 ON JUL 07	0.008 ON MAY 01	4 080	1986
1987	---	1.70 ON JUL 19	0.001 ON MAY 07	4 390	1987
1988	---	1.84 ON AUG 03	0.001 ON OCT 16	6 330	1988
1989	---	1.04 ON JUN 11	0 ON OCT 17	4 510	1989
1990	---	1.17 ON MAY 30	0.001 ON OCT 20	5 250	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 740	MEAN

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.930	1.49	6.96	6.74	3.55	1.27	0.676	0.836	0.477	---	2.80	1972
1973	---	---	0.277	0.559	3.04	2.57	0.675	0.328	0.244	0.229	---	---	0.989	1973
MEAN	---	---	0.604	1.02	5.00	4.66	2.11	0.799	0.460	0.533	0.477	---	1.89	MEAN

LOCATION - LAT 49 17 43 N DRAINAGE AREA, 79.8 km^2
LONG 113 58 20 W NATURAL FLOW

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	20.9 ON MAY 31 *	0.119B ON MAR 02 *	59 300	1972
1973	---	7.20 ON MAY 18	0.210E ON OCT 26	20 900	1973
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		40 100	MEAN

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	2.39	7.50	5.46	5.19	1.92	0.995	0.950	---	---	---	1920
1921	---	---	1.20	3.55	12.0	9.91	3.37	1.17	1.12	1.50	---	---	---	1921
1922	---	---	---	3.17	17.3	17.5	5.09	1.23	0.769	0.745	---	---	---	1922
1923	---	---	0.366	1.96	9.38	35.8	4.86	4.91	1.76	1.27	---	---	---	1923
1924	---	---	0.363	1.38	7.23	17.4	4.46	4.31	1.48	1.24	---	---	---	1924
1925	---	---	---	3.84	9.96	8.26	1.86	1.36	2.03	3.22	---	---	---	1925
1926	---	---	0.603	2.63	2.83	4.92	2.44	0.990	6.21	3.89	---	---	---	1926
1927	---	---	1.90	4.82	15.1	28.6	11.9	4.41	6.05	5.17	---	---	---	1927
1928	---	---	4.84	5.96	13.9	16.6	10.6	3.42	2.76	3.07	---	---	---	1928
1929	---	---	0.892	2.12	12.6	13.2	4.09	0.996	0.629	1.62	---	---	---	1929
1930	---	---	0.689	2.78	9.55	10.5	3.01	1.35	1.32	1.61	---	---	---	1930
1931	---	---	0.356	---	---	---	---	---	---	---	---	---	---	1931
1966	---	---	---	---	---	---	---	---	---	1.16	---	---	---	1966
1967	---	---	0.645	1.70	19.7	24.0	5.49	1.14	0.619	0.533	---	---	---	1967
1968	---	---	0.809	0.994	---	---	4.10	2.28	4.86	3.45	---	---	---	1968
1969	---	---	0.802	4.46	7.29	15.8	4.67	0.970	0.524	0.556	---	---	---	1969
1970	---	---	0.324	0.860	11.9	16.2	2.47	0.770	0.769	1.11	0.619	0.442	---	1970
1971	0.352	0.618	0.430	1.86	12.0	10.8	3.37	1.17	0.832	1.34	0.960	0.533	2.87	1971
1972	0.360	0.369	2.55	4.36	14.8	14.1	7.82	3.11	1.92	1.97	1.03	0.711	4.43	1972
1973	0.659	0.568	0.722	1.93	7.56	5.80	1.58	0.708	0.621	0.585	0.778	0.665	1.85	1973
1974	0.772	0.630	0.768	2.61	9.70	16.6	4.25	2.15	1.10	0.835	0.603	0.404	3.37	1974
1975	0.280	0.275	0.255	1.15	13.9	30.7	7.83	2.74	1.70	1.78	1.76	2.20	5.38	1975
1976	1.13	0.708	1.00	3.09	9.78	6.28	4.20	4.89	1.27	0.810	0.564	0.406	2.85	1976
1977	0.345	0.363	0.281	0.681	2.96	2.26	0.764	1.65	2.14	1.18	0.634	0.431	1.14	1977
1978	0.382	0.256	0.801	1.67	8.99	10.0	5.99	1.67	2.20	1.37	0.795	0.549	2.91	1978
1979	0.383	0.375	1.07	2.22	10.5	8.36	2.22	1.62	0.967	0.555	0.335	0.304	2.42	1979
1980	0.295	0.455	0.595	3.37	10.8	9.08	1.67	1.62	2.56	1.60	1.40	1.86	2.94	1980
1981	1.64	1.56	1.32	2.49	17.0	9.43	4.80	1.78	0.726	0.636	0.638	0.490	3.56	1981
1982	0.297	0.372	0.417	1.18	4.80	10.9	3.91	1.05	0.664	1.01	0.670	0.461	2.15	1982
1983	0.422	0.420	0.528	1.40	6.70	5.41	2.51	0.945	0.509	0.432	0.456	0.409	1.69	1983
1984	0.605	0.341	0.375	1.06	4.24	6.15	1.89	1.15	0.725	2.00	0.898	0.634	1.67	1984
1985	0.353	0.269	0.505	1.60	6.09	5.29	1.22	1.94	5.48	4.39	2.09	1.18	2.54	1985
1986	1.03	2.32	2.53	4.13	9.90	7.73	1.55	0.792	2.89	5.19	2.44	1.65	3.51	1986
1987	0.760	0.626	0.990	4.46	7.92	3.64	10.9	4.54	1.86	0.951	0.598	0.364	3.16	1987
1988	0.201	0.271	0.468	1.57	6.06	3.93	1.08	0.549	0.544	1.19	0.910	0.700	1.47	1988
1989	0.237	0.249	0.574	2.18	7.23	11.8	4.73	2.56	3.26	1.53	2.62	1.26	3.19	1989
1990	0.894	0.796	0.996	4.31	12.2	10.5	4.72	1.95	0.846	1.01	1.19	0.822	3.37	1990
MEAN	0.574	0.592	0.938	2.57	9.98	12.1	4.30	1.99	1.85	1.71	1.05	0.785	2.82	MEAN

LOCATION - LAT 49 17 38 N LONG 113 47 35 W DRAINAGE AREA, 238 km² REGULATED

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	11.9 ON MAY 18	---	---	1920
1921	---	25.5 E ON MAY 23	---	---	1921
1922	---	31.7 ON JUN 06	---	---	1922
1923	---	94.3 ON JUN 01	---	---	1923
1924	---	39.9 ON JUN 07	---	---	1924
1925	---	17.2 ON JUN 14	---	---	1925
1926	---	14.3 ON SEP 09	---	---	1926
1927	---	47.3 ON JUN 11	---	---	1927
1928	---	30.6 ON JUL 01	---	---	1928
1929	---	21.8 ON MAY 26	---	---	1929
1930	---	17.0 ON MAY 04	---	---	1930
1931	---	---	---	---	1931
1966	---	---	---	---	1966
1967	54.9 AT 21:30 MST ON MAY 17	48.7 ON MAY 22	---	---	1967
1968	---	---	---	---	1968
1969	70.8 AT 15:11 MST ON JUN 26	61.4 ON JUN 26	---	---	1969
1970	---	41.6 ON JUN 14	---	---	1970
1971	26.2 AT 05:30 MST ON MAY 28	24.7 ON MAY 31	0.283B ON JAN 01	90 500	1971
1972	34.8 AT 03:40 MST ON JUN 01	32.8 ON JUN 01	0.159B ON MAR 04	140 000	1972
1973	17.4 AT 06:00 MST ON MAY 19	16.4 ON MAY 19	0.394B ON DEC 19	58 500	1973
1974	26.3 AT 06:50 MST ON JUN 13	25.1 ON JUN 13	0.297B ON DEC 27	106 000	1974
1975	286 AT 03:30 MST ON JUN 20 *	181 ON JUN 20 *	0.238B ON JAN 14	170 000	1975
1976	19.1 AT 16:15 MST ON MAY 11	18.0 ON MAY 11	0.331B ON DEC 29	90 300	1976
1977	4.76 AT 00:00 MST ON MAY 12	4.39 ON MAY 12	0.232B ON MAR 19	36 100	1977
1978	22.8 AT 09:10 MST ON JUN 06	21.6 ON JUN 06	0.181B ON FEB 09	91 600	1978
1979	22.6 AT 08:45 MST ON MAY 27	21.1 ON MAY 27	0.182B ON NOV 28	76 300	1979
1980	61.7 AT 11:50 MST ON MAY 26	49.6 ON MAY 26	0.264B ON JAN 08	93 000	1980
1981	82.3 AT 09:10 MST ON MAY 22	68.7 ON MAY 22	0.230B ON DEC 31	112 000	1981
1982	15.8 AT 15:15 MST ON JUN 05	15.3 ON JUN 05	0.185B ON JAN 04	67 700	1982
1983	16.3 AT 12:10 MST ON MAY 26	15.6 ON MAY 26	0.264 ON OCT 27	53 100	1983
1984	13.6 AT 04:50 MST ON MAY 31	12.4 ON MAY 31	0.259B ON FEB 23	52 900	1984
1985	27.3 AT 22:05 MST ON SEP 12	20.6 ON SEP 13	0.190B ON FEB 05	80 100	1985
1986	22.1 AT 04:10 MST ON MAY 29	21.4 ON MAY 29	0.547B ON JAN 04	111 000	1986
1987	108 AT 18:43 MST ON JUL 22	71.5 ON JUL 22	0.200B ON DEC 22	99 600	1987
1988	12.2 AT 10:00 MST ON MAY 13	11.8 ON MAY 13	0.145B ON JAN 09 *	46 400	1988
1989	36.0 AT 05:35 MST ON JUN 11	32.6 ON JUN 11	0.185B ON FEB 03	101 000	1989
1990	30.9 AT 16:30 MST ON MAY 29	28.6 ON MAY 29	0.355 ON OCT 04	106 000	1990
				89 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.234	1.35	1.70	0.545	0.175	0.121	0.125	---	---	0.605	1935
1936	---	---	---	0.337	1.68	1.68	0.369	0.186	0.196	0.193	---	---	0.662	1936
1937	---	---	---	0.134	1.42	2.77	0.577	0.196	0.113	0.152	---	---	0.763	1937
1938	---	---	---	0.276	2.41	2.64	0.964	0.273	0.179	0.159	---	---	0.986	1938
1939	---	---	0.057	0.372	1.28	1.45	0.368	0.161	0.155	0.261	---	---	0.579	1939
1940	---	---	---	0.190	1.63	1.10	0.627	0.328	0.435	0.476	---	---	0.685	1940
1941	---	---	0.171	0.354	0.879	0.890	0.601	0.367	0.498	0.521	0.407	---	0.587	1941
1942	---	---	---	0.486	2.27	3.17	1.08	0.669	0.925	0.517	---	---	1.30	1942
1943	---	---	---	---	1.48	2.80	1.46	0.339	0.175	0.160	---	---	---	1943
1944	---	---	---	0.152	0.568	1.51	0.526	0.384	0.256	0.184	---	---	0.510	1944
1945	---	---	---	---	1.48	3.81	0.739	0.245	0.219	---	---	---	---	1945
1946	---	---	---	0.316	1.94	2.16	0.626	0.240	0.472	0.553	---	---	0.899	1946
1947	---	---	---	0.637	2.32	1.92	0.606	0.298	0.732	1.03	---	---	1.08	1947
1948	---	---	---	---	1.78	3.54	0.734	0.501	0.230	0.154	---	---	---	1948
1949	---	---	---	---	1.86	1.76	0.599	0.216	0.239	0.223	---	---	---	1949
1950	---	---	---	0.171	1.82	3.26	1.26	0.374	0.190	0.205	---	---	1.04	1950
1951	---	---	---	0.559	3.48	3.78	2.60	0.816	1.70	0.995	---	---	1.99	1951
1952	---	---	---	0.771	1.57	1.20	0.753	1.02	0.318	0.208	---	---	0.835	1952
1953	---	---	0.111	0.466	2.39	5.14	1.51	0.301	0.192	0.157	---	---	1.44	1953
1954	---	---	0.071	0.125	2.45	3.06	1.79	0.488	0.680	0.829	---	---	1.35	1954
1955	---	---	---	0.245	1.43	3.36	1.39	0.305	0.159	0.240	---	---	1.02	1955
1956	---	---	---	0.344	1.60	2.18	1.23	0.298	0.165	0.149	---	---	0.995	1956
1957	---	---	---	0.180	1.35	2.19	0.442	0.183	0.273	0.501	---	---	1.01	1957
1958	---	---	0.131	0.219	2.99	2.52	0.855	0.312	0.181	0.174	---	---	1.04	1958
1959	---	---	0.110	0.415	1.92	3.15	1.10	0.293	0.364	0.571	---	---	1.11	1959
1960	---	---	---	0.540	1.64	2.26	0.702	0.275	0.121	0.107	---	---	0.803	1960
1961	---	---	---	0.158	2.31	2.25	0.384	0.204	0.300	0.536	---	---	0.876	1961
1962	---	---	---	0.692	1.26	2.04	0.625	0.224	0.224	0.173	---	---	0.745	1962
1963	---	---	0.134	0.192	1.48	2.77	1.27	0.300	0.206	0.196	---	---	0.914	1963
1964	---	---	---	0.207	2.17	4.81	0.904	0.241	0.190	0.310	---	---	1.26	1964
1965	---	---	---	0.412	1.50	3.88	1.20	0.429	0.450	0.484	---	---	1.19	1965
1966	---	---	---	0.319	2.00	2.40	0.801	0.350	0.275	0.270	---	---	0.914	1966
1967	---	---	---	0.413	3.09	4.34	1.23	0.245	0.144	0.127	---	---	1.37	1967
1968	---	---	0.203	0.206	1.71	2.44	0.920	0.506	1.08	0.846	---	---	1.10	1968
1969	---	---	0.118	0.574	1.60	3.17	1.00	0.235	0.138	0.120	---	---	0.972	1969
1970	---	---	---	---	---	3.12	---	---	0.152	0.169	---	---	---	1970
1971	---	---	0.090	0.228	2.35	2.50	0.741	0.165	0.184	0.248	---	---	0.915	1971
1972	---	---	0.196	0.430	2.70	3.73	1.74	0.634	0.377	0.357	---	---	1.42	1972
1973	---	---	0.106	0.183	1.36	1.30	0.376	0.169	0.151	0.156	---	---	0.527	1973
1974	---	---	0.126	0.412	1.72	3.37	0.932	0.468	0.213	0.166	---	---	1.03	1974
1975	---	---	0.053	0.081	1.86	5.92	1.81	0.540	0.366	0.361	---	---	1.55	1975
1976	---	---	0.131	0.439	2.17	1.67	0.994	1.16	0.298	0.191	---	---	0.990	1976
1977	---	---	---	0.139	0.638	0.528	0.216	0.237	0.343	0.221	---	---	0.332	1977
1978	---	---	---	0.237	1.70	2.18	1.25	0.361	0.437	0.288	---	---	0.922	1978
1979	---	---	---	0.183	1.67	1.77	0.526	0.479	0.226	0.134	---	---	0.713	1979
1980	---	---	---	0.561	2.20	1.84	0.440	0.318	0.456	0.320	---	---	0.875	1980
1981	---	---	---	0.405	2.94	1.97	0.960	0.378	0.165	0.126	---	---	0.994	1981
1982	---	---	---	0.179	0.956	2.34	0.784	0.251	0.155	0.198	---	---	0.692	1982
1983	---	---	---	0.212	1.64	1.19	0.521	0.239	0.142	0.115	---	---	0.580	1983
1984	---	---	---	0.144	0.866	1.44	0.487	0.225	0.155	0.366	---	---	0.525	1984
1985	---	---	---	0.336	1.40	1.03	0.308	0.413	1.07	0.867	---	---	0.775	1985
1986	---	---	---	0.643	2.02	1.87	0.390	0.170	0.466	0.864	---	---	0.916	1986
MEAN	---	---	0.121	0.330	1.87	2.52	0.880	0.357	0.339	0.334	0.407	---	0.944	MEAN

LOCATION - LAT 49 18 00 N DRAINAGE AREA, 29.3 km²
LONG 114 00 20 W NATURAL FLOW

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	3.09 AT 07:00 MST ON MAY 23	3.03 ON MAY 23	0.099 ON SEP 11	11 200	1935
1936	4.42 AT 08:00 MST ON JUN 01	4.22 ON JUN 01	0.057B ON APR 01	12 200	1936
1937	12.6 ON JUN 13	11.4 ON JUN 13	0.074 ON APR 06	14 100	1937
1938	6.23 AT 17:00 MST ON MAY 25	6.06 ON MAY 25	0.057 ON APR 01	18 200	1938
1939	3.17 ON JUN 16	3.11 ON JUN 16	0.105 ON APR 03	10 700	1939
1940	4.87 ON JUL 27	3.57 ON JUL 27	0.113E ON APR 01	12 700	1940
1941	---	1.87 ON JUN 02	0.238 ON APR 02	10 900	1941
1942	14.5 ON JUN 05	11.9 ON JUN 05	0.057B ON APR 01	24 000	1942
1943	---	4.62 ON JUN 18	---	---	1943
1944	---	5.35 ON JUN 17	0.091 ON APR 16	9 420	1944
1945	---	5.61 ON JUN 10	---	---	1945
1946	---	5.38 ON MAY 26	0.105 ON APR 04	16 600	1946
1947	4.19 ON MAY 03	3.88 ON MAY 03	0.204 ON APR 06	19 900	1947
1948	---	11.7 ON JUN 17	---	---	1948
1949	---	4.81 ON JUN 01	---	---	1949
1950	6.46 AT 21:00 MST ON JUN 15	5.32 ON JUN 16	0.113B ON APR 01	19 200	1950
1951	6.88 AT 02:00 MST ON JUN 15	6.40 ON JUN 15	0.170B ON APR 01	36 800	1951
1952	5.30 AT 23:50 MST ON AUG 07	3.79 ON AUG 08	0.147 ON APR 11	15 400	1952
1953	15.4 AT 04:00 MST ON JUN 04	12.9 ON JUN 04	0.113B ON APR 01	26 700	1953
1954	6.54 AT 20:00 MST ON MAY 19	6.12 ON MAY 19	0.085B ON APR 01	24 900	1954
1955	6.12 AT 07:00 MST ON MAY 20	5.32 ON MAY 20	0.113B ON APR 01	18 800	1955
1956	6.43 AT 23:00 MST ON MAY 20	5.89 ON MAY 21	0.113E ON APR 01	18 400	1956
1957	5.24 AT 03:00 MST ON MAY 15	4.93 ON MAY 15	0.085B ON APR 01	18 700	1957
1958	4.53 AT 14:00 MST ON MAY 12	4.22 ON MAY 12	0.096 ON APR 09	19 200	1958
1959	5.52 AT 21:00 MST ON JUN 05	5.30 ON JUN 05	0.133 ON APR 01	20 600	1959
1960	5.58 AT 01:00 MST ON MAY 13	4.96 ON MAY 12	0.102 ON OCT 04	14 900	1960
1961	6.31 AT 03:00 MST ON MAY 27	6.06 ON MAY 27	0.091 ON APR 01	16 200	1961
1962	6.63 AT 15:00 MST ON JUN 14	6.06 ON JUN 14	0.142E ON APR 01	13 800	1962
1963	6.80 AT 10:00 MST ON JUN 10	5.41 ON JUN 10	0.093 ON APR 01	16 900	1963
1964	33.4 AT 11:30 MST ON JUN 08	25.3 ON JUN 08	0.074B ON APR 01	23 200	1964
1965	17.6 AT 15:00 MST ON JUN 17	12.6 ON JUN 17	0.074B ON APR 03	22 000	1965
1966	4.96 AT 22:00 MST ON JUN 04	4.59 ON JUN 05	0.170E ON APR 01	16 900	1966
1967	8.10 AT 22:00 MST ON MAY 21	7.53 ON MAY 22	0.113E ON APR 01	25 300	1967
1968	6.03 AT 23:00 MST ON JUN 07	5.10 ON JUN 08	0.142 ON APR 16	20 300	1968
1969	13.5 AT 16:00 MST ON JUN 26	11.0 ON JUN 26	0.110 ON OCT 21	18 000	1969
1970	11.0 AT 18:00 MST ON JUN 13	8.18 ON JUN 14	---	---	1970
1971	5.30 AT 00:30 MST ON MAY 28	4.93 ON MAY 31	0.074 ON AUG 28	16 900	1971
1972	8.78 AT 23:30 MST ON MAY 31	7.96 ON JUN 01	0.292 ON OCT 29	26 300	1972
1973	4.08 AT 01:40 MST ON MAY 18	3.85 ON MAY 18	0.091 ON APR 02	9 750	1973
1974	6.63 AT 05:30 MST ON MAY 26	5.80 ON JUN 18	0.133B ON APR 03	19 100	1974
1975	39.9 ON JUN 20 *	27.9 ON JUN 19 *	0.048B ON APR 04 *	28 700	1975
1976	4.45 AT 03:50 MST ON MAY 11	4.08 ON MAY 11	0.153 ON OCT 31	18 300	1976
1977	0.971 AT 09:00 MST ON MAY 11	0.926 ON MAY 11	0.082 ON APR 13	6 140	1977
1978	4.81 AT 05:00 MST ON JUN 06	4.36 ON JUN 06	0.108 ON APR 03	17 000	1978
1979	5.56 AT 21:20 MST ON AUG 21	4.09 ON MAY 27	0.084B ON APR 04	13 200	1979
1980	7.32 AT 13:35 MST ON MAY 26	6.44 ON MAY 26	0.068B ON APR 10	16 200	1980
1981	10.9 AT 10:10 MST ON MAY 22	10.2 ON MAY 22	0.105 ON OCT 09	18 400	1981
1982	3.29 AT 02:45 MST ON JUN 14	3.10 ON JUN 13	0.064B ON APR 07	12 800	1982
1983	3.75 AT 01:55 MST ON MAY 26	3.68 ON MAY 26	0.084B ON APR 05	10 700	1983
1984	2.99 AT 23:40 MST ON MAY 30	2.46 ON MAY 31	0.060B ON APR 03	9 710	1984
1985	---	3.58 E ON SEP 13	0.058B ON APR 07	14 300	1985
1986	5.90 AT 02:15 MST ON MAY 29	5.68 ON MAY 29	0.115 ON AUG 29	16 900	1986
				17 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	14.1	7.38	2.50	0.072	---	1975
1976	0.030	0.110	0.217	16.1	7.26	4.35	3.60	2.45	2.21	1.98	0.743	0.253	3.26	1976
1977	0.180	0.131	0.158	3.14	4.70	5.02	7.77	2.25	0.953	1.90	0.410	0.187	2.45	1977
1978	0.090	0.063	0.046	2.28	15.5	7.23	1.97	1.46	23.1	14.8	1.96	0.617	5.78	1978
1979	0.267	0.195	0.230	---	---	---	---	---	---	---	---	---	---	1979
MEAN	0.142	0.125	0.163	7.17	9.15	5.53	4.45	2.05	10.1	6.52	1.40	0.282	3.76	MEAN

LOCATION - LAT 56 51 20 N
LONG 112 42 40 W
DRAINAGE AREA, 1 570 km^2
NATURAL FLOW

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	31.1 AT 19:00 MST ON APR 20	30.9 ON APR 21	0.028B ON JAN 01	103 000	1976
1977	11.8 AT 20:25 MST ON JUL 10	11.8 ON JUL 10	0.105B ON MAR 17	70 900	1977
1978	34.0 AT 15:00 MST ON SEP 18 *	33.7 ON SEP 18 *	0.024B ON FEB 28 *	162 000	1978
1979	---	---	---	---	1979
				119 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	6.41	2.73	0.976	0.592	0.464	---	---	---	1966
1967	---	---	---	---	6.97	13.3	3.44	0.953	0.487	0.396	---	---	4.23	1967
1968	---	---	0.398	0.562	4.62	7.31	2.61	1.13	1.14	1.51	---	---	3.04	1968
1969	---	---	0.195	1.96	5.55	7.09	3.35	0.836	0.493	0.625	---	---	2.98	1969
1970	---	---	0.126	0.172	3.31	5.30	1.31	0.563	0.548	0.443	---	---	1.90	1970
1971	---	---	0.148	0.822	7.21	7.43	2.24	0.944	0.585	0.799	---	---	3.19	1971
1972	---	---	0.563	1.17	9.89	11.7	3.42	1.74	1.32	1.16	---	---	4.86	1972
1973	---	---	0.228	0.502	3.89	4.68	1.58	0.665	0.437	0.389	---	---	1.93	1973
1974	---	---	0.114	1.26	6.92	12.2	3.21	1.30	0.637	0.503	---	---	4.10	1974
1975	---	---	---	---	4.76	9.85	3.63	1.43	0.783	0.709	---	---	3.51	1975
1976	---	---	---	---	7.17	3.37	1.84	4.33	1.25	0.695	---	---	3.12	1976
1977	---	---	---	---	2.23	4.82	0.709	0.923	0.983	0.602	---	---	1.21	1977
1978	---	---	---	---	6.04	4.64	3.76	1.41	0.945	0.737	---	---	3.41	1978
1979	---	---	---	---	5.31	4.50	1.33	0.753	0.522	0.330	---	---	2.12	1979
1980	---	---	---	---	5.39	3.81	1.21	0.826	0.822	0.677	---	---	2.12	1980
1981	---	---	---	---	8.33	6.80	3.20	1.17	0.615	0.521	---	---	3.44	1981
1982	---	---	---	---	4.23	6.89	2.00	0.735	0.616	0.614	---	---	2.50	1982
1983	---	---	---	---	3.16	3.14	1.48	0.707	0.479	0.390	---	---	1.56	1983
1984	---	---	---	---	1.83	4.09	1.74	0.748	0.502	0.457	---	---	1.55	1984
1985	---	---	---	---	3.28	3.95	0.998	0.594	1.11	1.15	---	---	1.84	1985
1986	---	---	---	---	7.09	5.40	1.68	0.750	0.657	0.983	---	---	2.76	1986
1987	---	---	---	---	4.37	1.81	1.46	1.03	0.510	0.371	---	---	1.60	1987
1988	---	---	---	---	3.08	3.29	0.964	0.500	0.355	0.342	---	---	1.42	1988
1989	---	---	---	---	4.76	4.92	1.54	0.772	0.973	0.753	---	---	2.28	1989
1990	---	---	---	---	7.37	7.10	2.79	1.47	0.673	1.00	---	---	3.40	1990
MEAN	---	---	0.253	0.921	5.28	6.15	2.17	1.09	0.721	0.665	---	---	2.67	MEAN

LOCATION - LAT 49 54 06 N LONG 114 25 49 W DRAINAGE AREA, 143 km² NATURAL FLOW

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	13.0 ON JUN 01	---	---	1966
1967	37.9 AT 17:00 MST ON MAY 30 *	32.3 ON MAY 30 *	0.340B ON OCT 31	67 200	1967
1968	13.2 AT 01:10 MST ON MAY 23	12.1 ON JUN 10	0.816 ON SEP 11	48 300	1968
1969	14.6 AT 09:55 MST ON JUN 26	14.0 ON JUN 26	0.439 ON SEP 28	47 400	1969
1970	8.95 AT 22:00 MST ON JUN 04	8.07 ON JUN 04	0.289 ON MAY 01	30 200	1970
1971	16.4 AT 21:30 MST ON MAY 27	14.7 ON JUN 05	0.481 ON SEP 26	50 800	1971
1972	29.7 AT 21:50 MST ON MAY 31	26.1 ON MAY 31	0.889B ON OCT 29	77 200	1972
1973	12.1 AT 21:00 MST ON JUN 08	8.67 ON JUN 09	0.345 ON OCT 09	30 700	1973
1974	22.1 AT 02:10 MST ON JUN 17	20.6 ON JUN 17	0.422B ON OCT 31	65 100	1974
1975	27.0 AT 01:15 MST ON JUN 20	21.5 ON JUN 20	0.569 ON OCT 29	55 800	1975
1976	20.9 AT 24:00 MST ON AUG 05	13.8 ON AUG 06	0.561 ON OCT 31	49 500	1976
1977	---	4.70E ON MAY 11	0.481 ON OCT 31	19 200	1977
1978	16.4 AT 03:40 MST ON JUN 06	14.8 ON JUN 06	0.459B ON OCT 31	54 200	1978
1979	15.5 AT 23:05 MST ON MAY 26	12.9 ON MAY 26	0.163B ON OCT 30 *	33 700	1979
1980	12.3 AT 00:00 MST ON MAY 01	10.4 ON MAY 01	0.556 ON SEP 11	33 700	1980
1981	24.8 AT 23:20 MST ON MAY 25	21.6 ON MAY 26	0.433 ON OCT 21	54 600	1981
1982	11.3 AT 22:38 MST ON JUN 15	10.1 ON JUN 15	0.528 ON OCT 21	39 800	1982
1983	6.93 AT 00:15 MST ON MAY 30	6.25 ON MAY 30	0.341A ON OCT 31	24 700	1983
1984	5.95 AT 00:28 MST ON MAY 31	5.51 ON JUN 15	0.336B ON OCT 31	24 700	1984
1985	17.6 AT 23:20 MST ON JUN 07	11.9 ON JUN 08	0.482 ON SEP 01	29 300	1985
1986	21.2 AT 21:05 MST ON MAY 28	19.4 ON MAY 28	0.470 ON AUG 29	43 800	1986
1987	8.08 ON MAY 01	7.49E ON MAY 01	0.314 ON OCT 28	25 400	1987
1988	9.07 AT 00:30 MST ON JUN 08	7.52 ON JUN 08	0.244B ON OCT 28	22 500	1988
1989	9.56 AT 20:35 MST ON MAY 07	8.26 ON MAY 07	0.508 ON OCT 10	36 200	1989
1990	23.6 AT 21:50 MST ON MAY 29	21.6 ON MAY 30	0.499 ON SEP 30	54 000	1990
				42 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.100	---	---	---	---	---	1972
1973	---	---	---	---	0.193	0.171	0.126	0.063	0.054	---	---	---	---	1973
1974	---	---	---	---	0.174	0.170	0.171	0.067	---	---	---	---	---	1974
MEAN	---	---	---	---	0.184	0.171	0.149	0.077	0.054	---	---	---	---	MEAN

LOCATION - LAT 53 46 00 N LONG 118 22 00 W DRAINAGE AREA, 12.4 km² NATURAL FLOW

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	0.835B AT 19:00 MST ON MAY 13 *	0.425B ON MAY 13 *	0B ON MAY 01 *	---	1973
1974	0.328 AT 22:20 MST ON JUL 15	0.297 ON MAY 28	---	---	1974
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	12.4	10.6	13.9	8.88	5.18	2.95	---	---	---	1921
1922	---	---	---	---	20.5	5.19	2.67	0.807	0.504	0.687	---	---	---	1922
1923	---	---	---	12.9	12.3	10.2	28.2	4.37	1.51	1.38	---	---	---	1923
1924	---	---	---	1.40	10.4	3.79	11.4	19.5	13.8	5.11	---	---	---	1924
1925	---	---	---	---	7.66	4.05	5.43	8.59	4.68	3.82	---	---	---	1925
1926	---	---	---	12.5	20.4	31.0	3.11	0.644	10.8	5.71	---	---	---	1926
1927	---	---	---	8.68	20.7	68.9	79.5	4.32	4.30	5.83	---	---	---	1927
1928	---	---	0.530	22.7	27.8	15.4	6.51	3.43	4.07	2.65	---	---	10.3	1928
1929	---	---	---	21.2	35.1	11.5	22.0	12.3	14.5	9.38	---	---	---	1929
1930	---	---	---	9.75	26.6	67.1	13.8	2.78	1.87	1.76	---	---	---	1930
1959	---	---	0.010	2.95	8.48	4.19	2.17	3.70	1.91	2.36	---	---	3.22	1959
1960	---	---	0.340	6.33	17.3	19.8	4.41	0.914	1.13	0.857	---	---	6.35	1960
1961	---	---	0.123	2.37	11.7	6.08	24.6	1.90	1.13	1.34	---	---	6.20	1961
1962	---	---	0.262	23.3	35.9	9.85	6.71	3.90	4.57	2.12	---	---	10.8	1962
1963	---	---	0.366	28.8	32.3	7.57	1.94	2.92	2.13	0.595	---	---	9.54	1963
1964	---	---	0.018	3.90	34.4	5.67	20.9	37.6	11.7	6.99	---	---	15.2	1964
1965	---	---	0.380	33.6	41.6	22.8	17.6	17.2	12.0	3.89	---	---	18.6	1965
1966	---	---	0.520	20.0	24.2	6.79	2.83	4.26	2.84	0.995	---	---	7.78	1966
1967	---	---	0.298	3.13	24.3	6.86	4.94	1.11	0.460	0.561	---	---	4.85	1967
1968	---	---	0.673	2.20	8.89	18.1	9.72	3.70	2.66	1.56	---	---	5.92	1968
1969	---	---	0.071	13.5	8.63	2.09	0.632	1.17	8.22	4.33	---	---	4.79	1969
1970	---	---	0.403	13.6	23.3	15.2	11.9	4.53	3.27	2.46	---	---	9.32	1970
1971	---	---	0.432	31.7	14.2	52.1	45.9	5.19	2.20	2.11	---	---	19.1	1971
1972	---	---	0.678	9.87	24.9	16.9	9.45	4.44	2.28	2.12	---	---	8.84	1972
1973	---	---	0.461	19.2	41.1	36.9	8.14	10.8	4.88	4.24	---	---	15.7	1973
1974	---	---	0.560	52.6	51.7	8.01	24.1	3.38	3.08	2.58	---	---	18.2	1974
1975	---	---	0.439	5.88	13.4	33.8	20.2	6.80	8.96	2.97	---	---	11.5	1975
1976	---	---	0.647	31.2	15.7	32.7	23.7	42.4	13.8	6.21	---	---	20.7	1976
1977	---	---	1.16	29.9	40.6	30.1	35.9	4.07	5.17	2.71	---	---	18.7	1977
1978	---	---	0.560	13.2	17.2	25.4	4.33	3.13	16.2	5.70	---	---	10.6	1978
1979	---	---	0.649	11.1	50.0	53.6	48.8	3.53	2.11	1.72	---	---	21.4	1979
1980	---	---	0.234	11.7	9.29	10.9	11.1	6.45	14.1	4.00	---	---	8.44	1980
1981	---	---	1.63	17.1	15.4	12.3	9.02	2.30	0.738	1.13	---	---	7.42	1981
1982	---	---	0.083	2.13	23.8	3.96	11.1	21.2	3.05	1.67	---	---	8.44	1982
1983	---	---	0.133	2.77	4.12	5.76	50.7	9.93	4.65	3.09	---	---	15.1	1983
1984	---	---	0.484	5.90	22.0	18.8	7.87	4.90	8.51	3.16	---	---	8.92	1984
1985	---	---	1.30	20.3	34.1	4.17	0.801	2.39	10.5	7.33	---	---	10.1	1985
1986	---	---	1.33	14.0	25.2	6.87	41.2	7.95	3.57	11.4	---	---	14.0	1986
1987	---	---	0.489	16.2	11.4	6.34	2.93	11.3	5.22	1.66	---	---	6.91	1987
1988	---	---	0.790	7.63	9.66	20.0	47.3	3.63	1.70	1.06	---	---	11.5	1988
1989	---	---	0.197	4.78	29.5	7.82	28.0	21.9	5.83	3.35	---	---	12.7	1989
1990	---	---	0.637	10.7	14.3	23.3	6.87	1.93	3.22	2.03	---	---	7.82	1990
MEAN	---	---	0.512	14.4	22.2	19.1	17.4	7.77	5.55	3.27	---	---	11.2	MEAN

LOCATION - LAT 55 25 00 N DRAINAGE AREA, 1 460 km²
LONG 116 20 20 W NATURAL FLOW

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	34.3 ON JUL 18	---	---	1921
1922	---	44.5 ON MAY 10	---	---	1922
1923	---	103 ON JUL 05	0 B ON APR 01 *	---	1923
1924	90.6 AT 17:15 MST ON AUG 30	55.5 ON AUG 31	0 B ON APR 01	---	1924
1925	---	78.2B ON APR 12	---	---	1925
1926	---	86.1 ON JUN 11	---	---	1926
1927	---	246 ON JUN 25	---	---	1927
1928	---	131 B ON APR 25	0 B ON MAR 01	219 000	1928
1929	---	140 ON JUL 22	---	---	1929
1930	---	116 ON JUN 04	---	---	1930
1959	20.2 AT 16:00 MST ON MAY 18	19.9 ON MAY 18	0 B ON MAR 01	68 200	1959
1960	---	64.6 ON JUN 23	0.142B ON MAR 02	134 000	1960
1961	90.3 AT 13:00 MST ON JUL 02	86.1 ON JUL 02	0.085B ON MAR 01	131 000	1961
1962	85.0 AT 09:00 MST ON APR 23	79.6R ON APR 23	0.227B ON MAR 01	229 000	1962
1963	---	81.3 ON APR 25	0.136 ON OCT 28	202 000	1963
1964	---	158 ON MAY 08	0.006B ON MAR 01	323 000	1964
1965	---	176 ON JUN 29	0.218B ON MAR 01	393 000	1965
1966	---	53.0 ON MAY 08	0.436B ON MAR 07	165 000	1966
1967	---	41.1 ON MAY 08	0.255B ON MAR 16	103 000	1967
1968	---	78.2 ON JUN 14	0.198B ON MAR 01	125 000	1968
1969	---	43.9 ON APR 15	0.040B ON MAR 01	101 000	1969
1970	74.5 AT 11:30 MST ON JUN 29	61.4 ON JUN 30	0.297B ON MAR 01	197 000	1970
1971	328 AT 23:00 MST ON JUL 04	278 ON JUL 04	0.306B ON MAR 20	405 000	1971
1972	---	79.6 ON APR 30	0.255B ON MAR 06	187 000	1972
1973	228 AT 21:00 MST ON JUN 17	191 ON JUN 17	0.278B ON MAR 10	332 000	1973
1974	---	199 ON JUL 13	0.484B ON MAR 15	386 000	1974
1975	388 AT 20:30 MST ON JUN 29 *	323 ON JUN 29	0.368B ON APR 04	244 000	1975
1976	247 AT 23:00 MST ON AUG 16	180 ON AUG 16	0.623B ON MAR 24	439 000	1976
1977	214 AT 09:00 MST ON JUL 13	169 ON JUL 13	0.949B ON MAR 23	395 000	1977
1978	212 AT 20:00 MST ON JUN 15	128 ON JUN 16	0.283B ON MAR 05	255 000	1978
1979	385 AT 00:30 MST ON JUL 03	348 ON JUN 15 *	0.453B ON MAR 01	454 000	1979
1980	59.1 AT 21:00 MST ON MAY 28	57.2 ON MAY 29	0.196B ON MAR 05	179 000	1980
1981	40.6 AT 00:00 MST ON APR 26	37.5 ON APR 26	0.400B ON MAR 01	157 000	1981
1982	230 AT 14:30 MST ON AUG 04	176 ON AUG 04	0.050B ON MAR 16	179 000	1982
1983	360 AT 23:00 MST ON JUN 26	258 ON JUN 27	0.120B ON MAR 05	320 000	1983
1984	118 AT 02:00 MST ON JUN 09	106 ON JUN 09	0.203B ON MAR 08	189 000	1984
1985	94.4 AT 01:30 MST ON MAY 04	89.9 ON MAY 04	0.011 ON JUL 08	214 000	1985
1986	295 AT 08:00 MST ON JUL 19	232 ON JUL 19	0.295B ON MAR 01	267 000	1986
1987	50.5 AT 20:00 MST ON MAY 03	46.1B ON APR 14	0.455B ON MAR 29	146 000	1987
1988	341 AT 01:00 MST ON JUL 08	258 ON JUL 13	0.134B ON MAR 05	243 000	1988
1989	300 AT 18:30 MST ON MAY 20	183 ON AUG 05	0.180B ON MAR 05	270 000	1989
1990	173 AT 20:00 MST ON JUN 13	145 ON JUN 13	0.435B ON MAR 11	166 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		237 000	MEAN

EAST STREETER CREEK NEAR NANTON - STATION NO. 05AB024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0.001	0.014	0.013	0.005	0.001	0.001	0.001	0.001	0	0.003	1964
1965	0	0	0	0.004	0.003	0.010	0.014	0.004	0.003	0.003	0.002	0.002	0.004	1965
1966	0	0	0	0.002	0.007	0.025	0.006	0.003	0.002	0.001	0.001	0.001	0.004	1966
1967	0	0	0	0	0.020	0.031	0.006	0.002	0.001	0.001	0.001	0	0.005	1967
1968	0.001	0.001	0	0.001	0.002	0.004	0.004	0.003	0.003	0.010	0.006	0.003	0.003	1968
1969	0.002	0.001	0.001	0.014	0.014	0.016	0.025	0.004	0.001	0.002	0.001	0.001	0.007	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0.001	0	0	0.004	0.010	0.017	0.010	0.003	0.002	0.003	0.002	0.001	0.004	MEAN

LOCATION - LAT 50 06 31 N
LONG 114 02 58 W
DRAINAGE AREA, 0.52 km^2
NATURAL FLOW

EAST STREETER CREEK NEAR NANTON - STATION NO. 05AB024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.020E ON MAY 11	0 ON JAN 01 *	98.2	1964
1965	0.082 AT 16:00 MST ON APR 01 *	0.031 ON JUL 01	0 ON JAN 01	116	1965
1966	0.062 AT 20:30 MST ON JUN 10	0.045 ON JUN 07	0 E ON JAN 03	127	1966
1967	0.057 AT 15:00 MST ON MAY 21	0.057 ON JUN 02	0 ON JAN 01	163	1967
1968	---	0.016 ON OCT 06	0 E ON JAN 01	97.7	1968
1969	0.071 AT 19:20 MST ON JUN 30	0.068 ON JUL 01 *	0.001E ON FEB 04	216	1969
1970	---	---	0 ON JAN 08	---	1970
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		136	MEAN

EAST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	---	1964
1965	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.001	0.001	0.001	0.001	0.001	0.001	1965
1966	0.001	0.001	0.001	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0	0	0.001	1966
1967	0.001	0.001	0.001	0.001	0.004	0.007	0.003	0.001	0.001	0.001	0.001	0	0.002	1967
1968	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	1968
1969	0.001	0.001	0.001	0.003	0.004	0.003	0.006	0.001	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0.001	0.001	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0.001	1971
1972	0.001	0.001	0.001	0.001	0.004	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1972
1973	0.001	0.001	0.001	0.001	0.003	0.003	0.001	0.001	0.001	0	0	0	0.001	1973
1974	0	0.001	0.001	0.001	0.004	0.004	0.002	0.001	0.001	0.001	0	0	0.001	1974
1975	0	0	0	0	0.003	0.004	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1975
1976	0.001	0	0	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	1976
1977	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0.001	0.005	0.005	0.002	0.001	0.001	0.001	0.001	0.001	0.002	1978
1979	0	0	0	0	0.003	0.002	0.001	0	0	0	0	0	0.001	1979
MEAN	0.001	0.001	0.001	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 06 35 N
LONG 114 02 56 W NATURAL FLOW

EAST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0E ON DEC 30 *	---	1964
1965	---	0.005E ON JUL 04	0E ON JAN 01	41.4	1965
1966	---	0.007 ON JUN 08	0E ON NOV 15	45.8	1966
1967	---	0.008E ON MAY 29	0E ON JAN 01	53.0	1967
1968	---	0.003 ON OCT 08	0E ON JAN 01	26.0	1968
1969	---	0.012 ON JUL 02 *	0 ON DEC 17	59.7	1969
1970	---	0.003 ON MAY 18	0 ON JAN 01	37.7	1970
1971	0.002 AT 02:00 MST ON JUN 25	0.002 ON JUN 11	0 ON JAN 01	21.2	1971
1972	0.005 AT 21:00 MST ON JUN 02	0.005 ON MAY 27	0 ON MAR 04	47.2	1972
1973	0.004 AT 22:00 MST ON JUN 03	0.004 ON MAY 12	0 ON SEP 16	38.1	1973
1974	0.010 AT 03:20 MST ON MAY 24 *	0.009 ON MAY 23	0 ON JAN 01	42.4	1974
1975	0.005 AT 01:30 MST ON MAY 29	0.005 ON MAY 25	0 ON JAN 01	40.4	1975
1976	0.003 AT 18:30 MST ON JUL 18	0.002 ON MAY 23	0 ON JAN 07	30.8	1976
1977	0.001 AT 15:00 MST ON JUN 15	0.001 ON JAN 01	0 ON JAN 07	10.8	1977
1978	0.009 AT 00:00 MST ON JUN 01	0.009 ON JUN 01	0 ON JAN 02	49.8	1978
1979	0.004 AT 18:00 MST ON MAY 18	0.004 ON MAY 19	0 ON JAN 01	16.5	1979
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		37.4	MEAN

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	5.72	9.26	10.0	5.72	6.26	---	---	---	1955
1956	---	---	---	---	2.12	8.74	9.57	3.28	3.33	3.56	---	---	5.09	1956
1957	---	---	---	---	3.05	9.31	11.1	9.42	4.42	4.44	---	---	6.96	1957
1958	---	---	---	---	5.58	12.2	10.1	8.58	6.90	3.27	---	---	7.75	1958
1959	---	---	---	0.001	1.99	8.48	9.29	8.71	6.87	5.07	0.174	---	6.73	1959
1960	---	---	---	---	1.22	10.7	12.0	10.3	7.62	6.29	---	---	8.01	1960
1961	---	---	---	---	7.69	12.2	11.9	11.5	9.50	9.46	---	---	10.4	1961
1962	---	---	---	---	7.35	12.2	12.6	11.8	7.65	7.34	---	---	9.83	1962
1963	---	---	---	0.093	8.76	11.1	8.26	8.01	3.57	6.01	---	---	7.61	1963
1964	---	---	---	---	6.62	10.9	10.7	11.9	9.86	6.25	---	---	9.36	1964
1965	---	---	---	---	6.14	8.70	5.92	5.95	1.28	4.26	---	---	5.38	1965
1966	---	---	---	---	3.11	7.91	8.68	8.06	3.42	5.33	---	---	6.09	1966
1967	---	---	---	---	0.315	3.87	9.08	10.1	6.88	9.04	---	---	6.70	1967
1968	---	---	---	---	6.94	9.88	10.7	10.5	5.46	4.06	---	---	7.27	1968
1969	---	---	---	---	2.87	9.82	9.42	8.88	5.35	6.67	---	---	7.17	1969
1970	---	---	---	---	4.28	8.89	6.98	8.75	8.56	3.64	---	---	6.83	1970
1971	---	---	---	0	1.96	7.72	9.65	9.79	9.61	6.27	0	---	7.49	1971
MEAN	---	---	---	0.031	4.37	9.26	9.72	9.15	6.06	5.77	0.087	---	7.42	MEAN

LOCATION - LAT 50 30 10 N
LONG 112 08 50 W REGULATED

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	10.8 ON AUG 04	0 ON MAY 01 *	---	1955
1956	---	11.8 ON JUN 15	0 ON MAY 01	80 900	1956
1957	---	12.5 ON AUG 01	0 ON MAY 01	111 000	1957
1958	---	11.1 ON JUN 15	0 E ON OCT 17	123 000	1958
1959	---	12.1 ON JUL 20	0.003E ON MAY 01	107 000	1959
1960	---	13.7 ON JUN 12	0.028E ON MAY 01	127 000	1960
1961	---	12.8 ON JUL 25	0 ON SEP 10	165 000	1961
1962	---	13.4 ON JUL 02	0 ON SEP 04	156 000	1962
1963	---	12.5 ON JUN 16	0 ON SEP 01	121 000	1963
1964	---	13.8 ON JUN 15 *	0 ON OCT 24	149 000	1964
1965	---	11.1 ON JUN 16	0 ON MAY 01	85 500	1965
1966	---	11.0 ON JUN 23	0 ON MAY 01	96 800	1966
1967	---	11.2 ON JUL 27	0 ON MAY 01	106 000	1967
1968	---	11.5 ON JUN 26	0 ON SEP 01	116 000	1968
1969	---	11.0 ON JUN 27	0 ON MAY 01	114 000	1969
1970	---	10.6 ON JUN 09	0 E ON MAY 01	109 000	1970
1971	---	10.3 ON SEP 29	0 ON MAY 01	119 000	1971
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		118 000	MEAN

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	32.4	32.2	26.8	26.8	---	---	---	1961
1962	---	---	---	---	22.8	30.3	31.2	30.7	20.6	20.1	---	---	---	1962
1963	---	---	---	0.189	25.8	32.0	22.2	16.2	12.4	15.9	---	---	---	1963
MEAN	---	---	---	0.189	24.3	31.1	28.6	26.4	19.9	20.9	---	---	---	MEAN

LOCATION - LAT 50 32 00 N
LONG 112 10 50 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	32.8 ON JUL 10	0 ON SEP 04 *	---	1962
1963	---	36.0 ON MAY 31 *	0 ON APR 01	---	1963
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO. 05BN013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.569	11.7	15.2	14.3	15.1	13.4	6.74	---	---	12.7	1964
1965	---	---	---	---	4.25	10.3	5.91	10.6	2.42	8.42	---	---	6.98	1965
1966	---	---	---	---	8.26	11.8	14.7	13.2	3.99	6.46	---	---	9.76	1966
1967	---	---	---	---	1.31	7.47	11.0	17.5	14.3	17.8	---	---	11.6	1967
1968	---	---	---	1.55	14.0	14.1	17.4	17.4	5.32	7.85	0.002	---	12.7	1968
1969	---	---	---	---	8.11	18.4	15.7	16.8	9.83	13.5	---	---	13.7	1969
1970	---	---	---	---	10.9	17.3	6.94	10.3	14.8	7.41	---	---	11.2	1970
1971	---	---	---	---	9.20	16.1	18.6	20.6	19.7	11.2	---	---	15.9	1971
MEAN	---	---	---	1.06	8.47	13.8	13.1	15.2	10.5	9.92	0.002	---	11.8	MEAN

LOCATION - LAT 50 30 49 N
LONG 112 08 33 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO. 05BN013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	20.8 ON JUN 15	0 ON OCT 22 *	202 000	1964
1965	---	18.7 ON JUN 17	0 ON SEP 07	111 000	1965
1966	---	16.1 ON JUN 24	0 ON MAY 01	155 000	1966
1967	---	19.1 ON OCT 14	0.028E ON MAY 01	184 000	1967
1968	---	18.3 ON JUL 24	0 ON SEP 01	202 000	1968
1969	---	20.4 ON OCT 02	0 E ON MAY 01	218 000	1969
1970	---	22.9 ON JUN 13 *	0 E ON MAY 01	179 000	1970
1971	---	21.7 ON AUG 19	0 ON MAY 01	253 000	1971
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		188 000	MEAN

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	1.41	1.63	3.80	7.24	2.87	4.44	0	---	2.70	1917
1918	---	---	---	0	2.27	4.34	12.9	13.0	17.3	7.92	0.951	---	7.37	1918
1919	---	---	---	0	1.98	6.36	14.0	8.53	4.93	2.35	0	---	4.80	1919
1920	---	---	---	0	1.03	9.79	13.3	12.9	11.8	0.175	0	---	6.13	1920
1921	---	---	---	0	1.56	16.2	20.5	22.0	22.3	9.39	0.632	---	11.5	1921
1922	---	---	---	0	2.15	20.5	19.1	14.0	10.6	3.19	0	---	8.71	1922
1923	---	---	---	0	7.98	10.2	14.1	21.4	21.1	0.301	0	---	9.41	1923
1924	---	---	---	0.150	20.7	28.3	27.8	26.2	18.4	6.38	0	---	16.1	1924
1925	---	---	---	0	8.18	13.5	19.5	14.2	11.4	0.247	0	---	8.41	1925
1926	---	---	---	0	10.6	21.8	19.3	13.5	9.66	0	0	---	9.38	1926
1927	---	---	---	0	3.58	8.97	17.9	19.0	12.3	0.397	0	---	7.81	1927
1928	---	---	---	0	11.2	19.5	13.5	13.4	11.7	0.405	0	---	8.72	1928
1929	---	---	---	1.92	8.67	22.7	30.3	24.4	19.9	12.9	0	---	15.2	1929
1930	---	---	---	9.21	24.0	30.7	33.2	31.9	31.1	2.46	0	---	20.4	1930
1945	---	---	---	0.416	21.1	25.9	27.3	30.3	29.9	23.5	0.362	---	19.9	1945
1946	---	---	---	1.12	23.4	24.1	28.7	29.3	26.7	16.2	0	---	18.8	1946
1947	---	---	---	0	13.2	20.9	31.1	26.8	18.2	10.1	0	---	15.1	1947
1948	---	---	---	0	1.51	20.6	24.7	19.5	22.8	16.5	0	---	13.5	1948
1949	---	---	---	1.99	20.1	27.6	28.1	25.0	26.6	24.2	13.8	---	21.0	1949
1950	---	---	---	0	13.0	30.4	27.9	24.7	28.4	17.1	0	---	17.7	1950
1951	---	---	---	0	4.22	11.2	15.8	24.8	0.869	8.07	0	---	8.21	1951
1952	---	---	---	0	9.86	25.5	22.5	11.7	10.2	9.79	0	---	11.2	1952
1953	---	---	---	0	2.95	2.89	15.5	18.7	5.48	10.3	0	---	7.05	1953
1954	---	---	---	0.006	11.1	21.9	27.8	20.7	15.4	10.3	0.008	---	13.5	1954
1955	---	---	---	0.299	5.00	17.2	26.4	27.2	17.3	14.6	0.005	---	13.6	1955
1956	---	---	---	0.008	7.85	23.4	23.2	15.1	12.8	10.2	0.009	---	11.6	1956
1957	---	---	---	0.004	12.0	29.9	33.2	27.8	17.9	20.8	0.014	---	17.8	1957
1958	---	---	---	0	19.9	31.3	28.7	24.2	21.5	8.44	0	---	16.8	1958
1959	---	---	---	0.572	10.8	22.4	27.0	25.2	19.7	16.5	1.47	---	15.5	1959
1960	---	---	---	0.268	5.38	27.9	30.0	25.3	23.2	19.4	4.13	---	17.0	1960
1961	---	---	---	7.67	22.2	32.9	35.0	35.6	28.0	28.9	1.98	---	24.1	1961
1962	---	---	---	1.83	25.0	33.0	33.4	32.9	22.2	19.0	0	---	21.0	1962
1963	---	---	---	0.472	28.5	34.2	22.8	15.6	11.4	10.4	0	---	16.7	1963
1964	---	---	---	0.864	18.0	29.6	27.7	30.1	24.5	12.4	0	---	18.0	1964
1965	---	---	---	0	11.7	24.5	15.2	19.9	3.71	15.6	0	---	11.4	1965
1966	---	---	---	0.236	13.9	22.3	25.8	23.2	8.61	13.7	0	---	13.5	1966
1967	---	---	---	0	2.01	12.4	24.6	31.1	19.8	35.7	0	---	15.8	1967
1968	---	---	---	3.40	26.2	28.5	32.0	30.8	9.39	14.7	0	---	18.2	1968
1969	---	---	---	0	9.33	32.8	28.4	29.0	17.2	23.0	0	---	17.5	1969
1970	---	---	---	0	16.3	30.4	14.6	22.8	27.6	9.54	0	---	15.2	1970
1971	---	---	---	0	12.0	27.9	30.8	33.3	29.9	16.4	0	---	18.9	1971
1972	---	---	---	1.84	16.2	35.3	30.8	31.0	29.5	10.8	0	---	19.5	1972
1973	---	---	---	0.803	22.8	27.0	26.8	32.0	31.3	7.92	0	---	18.6	1973
1974	---	---	---	0.025	11.1	27.0	32.7	31.8	31.2	20.5	0	---	19.4	1974
1975	---	---	---	0.760	8.97	6.61	24.7	31.3	20.6	7.84	0.003	---	12.7	1975
1976	---	---	---	1.53	20.1	32.5	29.9	28.8	30.1	19.5	0	---	20.4	1976
1977	---	---	---	5.19	26.1	29.7	30.0	29.6	32.8	16.7	0	---	21.3	1977
1978	---	---	---	4.72	9.97	9.62	29.6	26.9	13.5	20.2	0	---	14.4	1978
1979	---	---	---	1.48	17.6	27.2	26.3	30.2	30.5	29.8	0.101	---	20.5	1979
1980	---	---	---	1.65	21.7	29.7	31.8	31.6	31.9	12.7	0	---	20.2	1980
1981	---	---	---	1.27	17.9	34.4	30.5	31.0	27.7	34.4	2.29	---	22.5	1981
1982	---	---	---	0.464	12.7	25.0	27.0	27.6	25.4	17.7	0.020	---	17.0	1982
1983	---	---	---	2.24	24.2	27.8	26.8	30.4	32.7	24.9	1.63	---	21.4	1983
1984	---	---	---	10.8	20.6	28.0	28.4	34.7	35.5	31.1	0.196	---	23.7	1984
1985	---	---	---	2.21	22.8	34.0	33.2	35.8	38.1	3.07	0	---	21.2	1985
1986	---	---	---	12.4	28.7	34.6	34.0	32.9	33.7	7.70	---	---	---	1986
1987	---	---	---	11.2	35.2	37.3	35.4	34.6	29.2	16.2	0	---	25.0	1987
1988	---	---	---	16.4	33.7	38.3	36.3	36.9	38.5	16.5	0	---	27.1	1988
1989	---	---	---	3.20	33.2	38.4	38.5	37.3	27.6	3.07	0	---	22.7	1989
1990	---	---	---	9.98	31.6	33.0	42.0	40.6	30.3	11.8	0	---	25.0	1990
MEAN	---	---	---	1.98	14.8	24.0	26.1	25.5	21.3	13.4	0.468	---	15.9	MEAN

LOCATION - LAT 50 42 57 N
LONG 112 20 33 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05GJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	14.1 ON OCT 02	0 ON APR 01 *	56 900	1917
1918	---	19.6 ON SEP 14	0 ON APR 01	155 000	1918
1919	---	15.3 ON JUL 11	0 ON APR 01	101 000	1919
1920	---	16.1 ON JUN 15	0 ON APR 01	129 000	1920
1921	---	22.8 ON SEP 17	0 ON APR 01	242 000	1921
1922	---	24.7 ON JUN 29	0 ON APR 01	184 000	1922
1923	---	24.5 ON MAY 31	0 ON APR 01	198 000	1923
1924	---	29.7 ON AUG 17	0 ON APR 01	339 000	1924
1925	---	22.3 ON JUL 04	0 ON APR 01	177 000	1925
1926	---	25.6 ON JUN 12	0 ON APR 01	198 000	1926
1927	---	25.4 ON AUG 29	0 ON APR 01	165 000	1927
1928	---	23.6 ON JUN 17	0 ON APR 01	184 000	1928
1929	---	36.2 ON JUL 04	0E ON APR 01	320 000	1929
1930	---	35.4 ON JUL 02	0E ON APR 01	429 000	1930
1945	---	32.6 ON SEP 26	0 ON APR 01	420 000	1945
1946	---	33.1 ON JUL 22	0 ON APR 01	396 000	1946
1947	---	32.8 ON JUL 09	0 ON APR 01	319 000	1947
1948	---	34.3 ON JUL 08	0 ON APR 01	285 000	1948
1949	---	30.3 ON JUN 15	0 ON APR 01	442 000	1949
1950	---	36.0 ON JUN 22	0 ON APR 01	374 000	1950
1951	---	39.9 ON AUG 08	0 ON APR 01	173 000	1951
1952	---	33.1 ON JUN 20	0 ON APR 01	237 000	1952
1953	---	27.1 ON JUL 18	0 ON APR 01	149 000	1953
1954	---	35.1 ON AUG 01	0 ON APR 01	284 000	1954
1955	---	30.6 ON JUL 02	0E ON APR 01	286 000	1955
1956	---	31.4 ON JUL 26	0E ON APR 01	245 000	1956
1957	---	35.1 ON JUL 18	0E ON APR 01	375 000	1957
1958	---	33.7 ON JUN 27	0 ON APR 01	354 000	1958
1959	---	30.6 ON AUG 19	0E ON APR 01	327 000	1959
1960	---	33.1 ON JUN 11	0E ON APR 01	358 000	1960
1961	---	38.5 ON JUL 23	0E ON APR 01	509 000	1961
1962	---	36.2 ON JUL 11	0 ON APR 01	443 000	1962
1963	---	39.9 ON MAY 25	0 ON APR 01	353 000	1963
1964	---	39.6 ON JUN 12	0 ON APR 01	379 000	1964
1965	---	37.9 ON JUN 15	0 ON APR 01	240 000	1965
1966	---	30.3 ON JUN 24	0E ON APR 01	286 000	1966
1967	---	39.9 ON OCT 12	0 ON APR 01	334 000	1967
1968	---	39.9 ON MAY 27	0 ON APR 01	385 000	1968
1969	---	38.8 ON JUN 07	0E ON APR 01	370 000	1969
1970	---	42.8 ON JUN 09	0 ON APR 01	320 000	1970
1971	---	35.4 ON JUL 30	0 ON APR 01	398 000	1971
1972	---	43.0 ON JUN 07	0 ON APR 01	411 000	1972
1973	---	43.6 ON MAY 26 *	0 ON APR 01	393 000	1973
1974	---	36.5 ON JUN 23	0E ON APR 01	408 000	1974
1975	---	37.4 ON JUL 26	0E ON APR 01	268 000	1975
1976	---	34.3 ON JUN 08	0 ON APR 01	429 000	1976
1977	---	34.5 ON SEP 25	0 ON APR 01	450 000	1977
1978	---	32.8 ON JUL 21	0E ON APR 01	304 000	1978
1979	---	34.0 ON OCT 16	0E ON APR 01	432 000	1979
1980	---	36.5 ON AUG 09	0E ON APR 01	426 000	1980
1981	---	40.0 ON OCT 04	0 ON APR 01	475 000	1981
1982	---	29.2 ON JUL 11	0 ON APR 01	359 000	1982
1983	---	34.3 ON SEP 02	0 ON APR 01	452 000	1983
1984	---	37.4 ON OCT 05	0 ON APR 01	501 000	1984
1985	---	40.9 ON SEP 28	0 ON APR 01	447 000	1985
1986	---	39.6 ON MAY 08	0A ON APR 01	---	1986
1987	---	39.0 ON MAY 30	0 ON APR 01	526 000	1987
1988	---	41.4 ON JUN 12	0 ON APR 01	572 000	1988
1989	---	40.6 ON JUN 24	0 ON APR 01	480 000	1989
1990	---	43.0 ON JUL 15	0 ON APR 01	527 000	1990
				335 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT MAIN BANTRY CANAL ABOVE AQUEDUCT - STATION NO. 05BN001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	0.087	0.647	0.899	1.04	0.690	0.188	---	---	0.591	1917
1918	---	---	---	---	0.964	1.39	2.14	1.43	1.16	0.582	0.096	---	1.28	1918
1922	---	---	---	---	0.997	11.	9.42	4.90	3.41	0.492	---	---	5.10	1922
1923	---	---	---	---	4.43	6.99	5.82	5.37	5.63	1.90	---	---	5.01	1923
1924	---	---	---	---	6.11	8.93	11.1	6.72	5.24	3.85	---	---	7.00	1924
1925	---	---	---	---	2.47	8.96	11.8	9.39	5.46	0.262	---	---	6.37	1925
1955	---	---	---	---	0.711	11.5	13.9	11.8	3.57	3.94	---	---	7.56	1955
1956	---	---	---	---	3.04	11.7	16.3	3.47	3.54	3.10	---	---	6.85	1956
1957	---	---	---	---	5.62	14.0	18.8	6.50	5.40	3.32	---	---	8.94	1957
1958	---	---	---	---	8.51	14.1	10.0	11.4	4.72	2.06	---	---	8.46	1958
1959	---	---	---	---	3.90	14.1	16.0	8.05	3.48	1.35	---	---	7.80	1959
1960	---	---	---	---	3.13	17.6	18.4	7.21	4.79	3.93	---	---	9.15	1960
1961	---	---	---	---	10.9	20.0	18.0	13.3	6.39	6.07	---	---	12.4	1961
1962	---	---	---	---	8.11	19.2	15.7	12.1	2.86	5.01	---	---	10.5	1962
1963	---	---	---	---	15.1	17.1	6.59	9.40	4.22	4.97	---	---	9.55	1963
1964	---	---	---	---	5.45	14.5	16.9	13.2	4.06	2.60	---	---	9.45	1964
1965	---	---	---	---	2.62	11.8	6.46	11.3	1.71	3.69	---	---	6.26	1965
1966	---	---	---	---	4.22	11.4	13.4	5.30	3.54	4.83	---	---	7.11	1966
1967	---	---	---	---	0.275	6.59	16.5	13.6	5.60	9.18	---	---	8.66	1967
1968	---	---	---	---	10.2	13.6	---	---	2.62	3.50	---	---	---	1968
1969	---	---	---	---	4.38	17.0	12.6	12.9	4.67	5.80	---	---	9.54	1969
1970	---	---	---	---	6.61	9.48	8.72	11.9	10.8	0.180	---	---	7.93	1970
1971	---	---	---	0	3.73	12.5	16.0	12.6	6.38	3.92	0	---	9.20	1971
MEAN	---	---	---	0	4.85	11.9	12.1	8.77	4.35	3.25	0.048	---	7.49	MEAN

LOCATION - LAT 50 31 35 N
LONG 111 52 13 W

REGULATED

EASTERN IRRIGATION DISTRICT MAIN BANTRY CANAL ABOVE AQUEDUCT - STATION NO. 05BN001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	1.25 ON AUG 08	0 ON MAY 01 *	9 400	1917
1918	---	2.72 ON JUL 28	0.385 ON OCT 26	20 300	1918
1922	---	14.4 ON JUN 18	0 ON MAY 01	81 100	1922
1923	---	10.8 ON JUN 14	0 ON MAY 07	79 700	1923
1924	---	13.6 ON AUG 26	0.368 ON OCT 31	111 000	1924
1925	---	12.5 ON JUL 27	0 ON MAY 01	101 000	1925
1955	---	18.5 ON JUN 22	0 ON MAY 01	120 000	1955
1956	---	20.1 ON JUL 14	0.028E ON MAY 01	109 000	1956
1957	---	20.9 ON JUL 11	0 ON MAY 01	142 000	1957
1958	---	19.7 ON MAY 29	0 E ON MAY 01	134 000	1958
1959	---	21.0 ON JUN 19	0 ON SEP 05	124 000	1959
1960	---	20.4 ON JUL 14	0.006E ON MAY 01	145 000	1960
1961	---	21.2 ON JUN 11	0.003 ON OCT 30	198 000	1961
1962	---	20.8 ON JUN 06	0 ON MAY 01	167 000	1962
1963	---	23.3 ON MAY 29 *	0 ON MAY 01	152 000	1963
1964	---	21.1 ON AUG 03	0 ON MAY 01	150 000	1964
1965	---	18.4 ON JUN 10	0 ON MAY 01	99 500	1965
1966	---	16.7 ON JUL 14	0 ON MAY 01	113 000	1966
1967	---	19.3 ON JUL 25	0 ON MAY 01	138 000	1967
1968	---	---	---	---	1968
1969	---	19.8 ON JUN 27	0 ON MAY 01	152 000	1969
1970	---	19.0 ON JUN 09	0 ON MAY 01	126 000	1970
1971	---	17.4 ON AUG 03	0 ON MAY 01	146 000	1971
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		119 000	MEAN

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0	1.15	2.34	1.54	1.08	0.815	0.360	0	---	0.912	1914
1915	---	---	---	0.561	1.14	0.828	1.04	1.29	1.29	0.717	0.167	---	0.882	1915
1916	---	---	---	0	1.18	1.10	0.699	0.806	0.395	0.453	0.087	---	0.591	1916
1917	---	---	---	0	0.273	0.835	1.04	1.06	0.818	0.586	0	---	0.833	1917
1918	---	---	---	0	0.109	4.40	5.90	2.46	1.82	2.12	0.320	---	2.16	1918
1919	---	---	---	0	0.220	4.53	8.35	2.83	1.12	0.281	0	---	2.18	1919
1920	---	---	---	0	0.039	3.87	5.03	3.41	1.04	0.026	0	---	1.69	1920
1921	---	---	---	0	0.469	8.24	8.68	3.29	2.00	0.276	0	---	2.87	1921
1922	---	---	---	0	0.616	7.51	8.15	4.03	1.28	0.124	0	---	2.72	1922
1923	---	---	---	0	1.69	1.33	3.58	2.02	1.37	0.014	0	---	1.26	1923
1924	---	---	---	0	2.49	4.96	9.21	2.67	2.07	0.789	0	---	2.79	1924
1925	---	---	---	0	1.48	5.29	6.14	4.39	2.72	0	0	---	2.51	1925
1926	---	---	---	0	2.32	6.66	8.39	5.06	2.16	0	0	---	3.09	1926
1927	---	---	---	0	0.252	1.14	1.44	2.47	1.90	0	0	---	0.902	1927
1928	---	---	---	0	1.86	4.48	1.10	2.31	1.57	0.077	0	---	1.42	1928
1929	---	---	---	0	2.09	6.28	8.37	4.46	3.28	0.033	0	---	3.07	1929
1930	---	---	---	0	1.88	7.10	7.43	4.47	2.79	0	0	---	2.97	1930
1945	---	---	---	0	3.29	7.88	7.69	8.08	4.77	2.75	0	---	4.33	1945
1946	---	---	---	0.088	5.37	5.43	7.52	6.29	3.74	2.31	0	---	3.87	1946
1947	---	---	---	0	2.42	5.26	9.70	6.29	3.61	2.08	0	---	3.69	1947
1948	---	---	---	0	0	5.70	8.71	4.09	3.89	2.47	0	---	2.87	1948
1949	---	---	---	0.486	6.34	9.24	8.68	4.11	2.80	2.57	0	---	4.30	1949
1950	---	---	---	0	1.94	8.27	7.56	4.04	1.93	1.85	0	---	3.21	1950
1951	---	---	---	0	0.631	2.99	6.12	4.80	0.243	1.76	0	---	2.09	1951
1952	---	---	---	0	0.613	6.68	6.10	3.54	3.03	2.48	0	---	2.81	1952
1953	---	---	---	0	0.113	0.519	4.37	4.53	0.900	1.53	0	---	1.64	1953
1954	---	---	---	0	0.398	2.69	7.85	4.78	0.988	1.83	0	---	2.34	1954
1955	---	---	---	0	0.699	4.59	5.08	4.93	1.44	1.76	0	---	2.33	1955
1956	---	---	---	0	0.515	7.00	6.67	3.67	3.14	3.05	0	---	3.01	1956
1957	---	---	---	0	2.15	8.09	7.97	4.69	1.90	2.34	0	---	3.41	1957
1958	---	---	---	0	2.71	9.01	5.20	6.47	1.70	1.31	0	---	3.32	1958
1959	---	---	---	0	2.10	5.67	7.53	4.65	2.13	1.33	0	---	2.94	1959
1960	---	---	---	0	0.807	10.3	10.5	5.67	3.44	2.49	0	---	4.17	1960
1961	---	---	---	0	1.45	12.0	10.4	7.14	3.03	2.34	0	---	4.56	1961
1962	---	---	---	0	3.76	9.31	8.76	6.61	1.72	2.58	0	---	4.12	1962
1963	---	---	---	0	4.99	9.51	5.15	7.63	1.30	3.00	0	---	4.04	1963
1964	---	---	---	0	1.97	7.73	8.76	7.39	2.07	2.21	0	---	3.79	1964
1965	---	---	---	0	1.00	8.38	5.05	7.27	1.27	2.27	0	---	3.17	1965
1966	---	---	---	0	1.54	6.21	7.06	6.09	1.62	1.56	0	---	3.04	1966
1967	---	---	---	0	0.236	4.17	10.3	6.99	2.40	2.10	0	---	3.43	1967
1968	---	---	---	0.157	4.40	7.02	9.54	4.89	1.86	1.68	0	---	3.72	1968
1969	---	---	---	0	1.65	10.8	6.38	6.75	2.04	1.44	0	---	3.64	1969
1970	---	---	---	0	1.38	6.51	3.94	6.60	3.14	1.11	0	---	2.84	1970
1971	---	---	---	0	1.21	5.80	8.70	8.53	3.47	1.05	0	---	3.62	1971
1972	---	---	---	0	3.04	10.3	9.29	6.95	3.20	1.07	0	---	4.25	1972
1973	---	---	---	0	2.83	5.61	9.38	6.56	3.17	0.893	0	---	3.58	1973
1974	---	---	---	0	0.662	7.31	9.43	8.16	3.72	1.33	0	---	3.85	1974
1975	---	---	---	0	0.231	1.53	10.2	5.35	3.92	1.41	0	---	2.86	1975
1976	---	---	---	0	4.94	10.1	8.82	4.60	2.71	1.54	0	---	4.10	1976
1977	---	---	---	0.440	4.55	9.79	10.8	4.66	1.69	0.650	0	---	4.10	1977
1978	---	---	---	0.008	0.390	3.69	12.0	4.88	1.15	0.812	0	---	2.90	1978
1979	---	---	---	0	0.713	8.42	11.8	5.75	4.27	1.84	0.006	---	4.11	1979
1980	---	---	---	0	3.28	8.27	12.1	5.05	2.47	1.58	0	---	4.12	1980
1981	---	---	---	0	1.51	8.08	10.1	6.01	4.27	1.98	0	---	4.01	1981
1982	---	---	---	0	2.25	8.64	8.99	6.89	3.88	1.46	0	---	4.03	1982
1983	---	---	---	0	3.11	9.92	10.3	6.73	3.06	2.34	0.021	---	4.45	1983
1984	---	---	---	0.027	3.66	10.8	13.3	4.56	2.40	3.41	---	---	---	1984
1985	---	---	---	1.95	8.21	13.3	13.4	10.2	12.7	0.499	0	---	7.54	1985
1986	---	---	---	1.36	11.2	12.6	13.0	12.5	12.1	0.197	---	---	---	1986
1987	---	---	---	0.092	8.63	11.4	8.95	5.20	0.868	0.523	0	---	4.47	1987
1988	---	---	---	0.787	8.12	10.7	9.96	8.28	2.46	0.999	0	---	5.19	1988
1989	---	---	---	0	4.00	8.86	7.73	8.05	4.52	0.840	0	---	4.26	1989
1990	---	---	---	0.059	3.80	5.55	9.40	9.32	8.29	2.35	0	---	4.87	1990
MEAN	---	---	---	0.127	2.35	6.71	7.75	5.28	2.75	1.41	0.010	---	3.21	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 25 00 W

REGULATED

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.79 ON AUG 02	0 ON APR 01 *	19 200	1914
1915	---	1.93 ON MAY 12	0E ON APR 01	18 600	1915
1916	---	1.78 ON MAY 24	0 ON APR 01	12 500	1916
1917	---	4.19 ON JUL 25	0 ON APR 01	17 600	1917
1918	---	6.91 ON JUL 03	0 ON APR 01	45 500	1918
1919	---	12.6 ON JUL 03	0 ON APR 01	46 000	1919
1920	---	8.38 ON JUN 24	0 ON APR 01	35 500	1920
1921	---	13.1 ON JUN 28	0 ON APR 01	60 600	1921
1922	---	10.5 ON JUN 29	0 ON APR 01	57 400	1922
1923	---	7.90 ON JUL 29	0 ON APR 01	26 600	1923
1924	---	10.6 ON JUL 22	0 ON APR 01	58 800	1924
1925	---	9.12 ON JUL 06	0 ON APR 01	52 900	1925
1926	---	9.91 ON JUL 19	0 ON APR 01	65 100	1926
1927	---	2.86 ON AUG 20	0 ON APR 01	19 000	1927
1928	---	7.31 ON JUN 08	0 ON APR 01	30 000	1928
1929	---	10.3 ON JUN 21	0 ON APR 01	64 800	1929
1930	---	11.9 ON JUN 20	0 ON APR 01	62 600	1930
1945	---	12.0 ON JUN 26	0 ON APR 01	91 200	1945
1946	---	12.0 ON JUL 28	0 ON APR 01	81 500	1946
1947	---	11.7 ON JUL 20	0 ON APR 01	77 800	1947
1948	---	9.97 ON JUL 03	0 ON APR 01	60 400	1948
1949	---	11.9 ON JUN 25	0E ON APR 01	90 600	1949
1950	---	12.5 ON JUN 22	0 ON APR 01	67 600	1950
1951	---	9.26 ON JUL 23	0 ON APR 01	44 000	1951
1952	---	9.83 ON JUN 10	0 ON APR 01	59 300	1952
1953	---	8.10 ON JUL 26	0 ON APR 01	34 600	1953
1954	---	13.3 ON AUG 01	0 ON APR 01	49 400	1954
1955	---	8.27 ON JUN 28	0 ON APR 01	49 000	1955
1956	---	11.0 ON JUN 11	0 ON APR 01	61 500	1956
1957	---	12.9 ON JUN 08	0 ON APR 01	71 800	1957
1958	---	12.3 ON JUN 27	0 ON APR 01	70 000	1958
1959	---	11.1 ON JUL 22	0 ON APR 01	62 000	1959
1960	---	12.9 ON JUN 11	0 ON APR 01	87 900	1960
1961	---	13.8 ON JUN 11	0 ON APR 01	96 100	1961
1962	---	10.9 ON JUL 07	0 ON APR 01	86 800	1962
1963	---	12.8 ON MAY 31	0 ON APR 01	85 200	1963
1964	---	15.3 ON JUL 25	0 ON APR 01	79 800	1964
1965	---	14.2 ON JUN 16	0 ON APR 01	66 800	1965
1966	---	11.1 ON AUG 04	0 ON APR 01	64 100	1966
1967	---	13.0 ON JUL 20	0 ON APR 01	72 400	1967
1968	---	13.1 ON JUL 17	0 ON APR 01	78 300	1968
1969	---	13.8 ON JUN 07	0 ON APR 01	76 700	1969
1970	---	14.3 ON JUN 10	0 ON APR 01	59 900	1970
1971	---	14.2 ON AUG 06	0 ON APR 01	76 200	1971
1972	---	14.1 ON JUN 09	0 ON APR 01	89 600	1972
1973	---	12.9 ON AUG 02	0 ON APR 01	75 400	1973
1974	---	13.6 ON AUG 08	0E ON APR 01	81 100	1974
1975	---	15.2 ON JUL 15	0E ON APR 01	60 300	1975
1976	---	12.9 ON JUN 06	0E ON APR 01	86 400	1976
1977	---	13.2 ON JUN 29	0A ON APR 01	86 400	1977
1978	---	15.1 ON JUL 18	0E ON APR 01	61 100	1978
1979	---	14.8 ON JUL 26	0E ON APR 01	86 600	1979
1980	---	17.9 ON JUL 20 *	0 ON APR 01	86 800	1980
1981	---	15.8 ON JUL 21	0 ON APR 01	84 500	1981
1982	---	14.2 ON JUL 27	0 ON APR 01	84 900	1982
1983	---	14.1 ON JUL 26	0 ON APR 01	93 800	1983
1984	---	---	---	---	1984
1985	---	14.6 ON JUN 25	0 ON APR 01	159 000	1985
1986	---	15.9 A ON MAY 08	0A ON APR 01	---	1986
1987	---	12.7 ON JUN 01	0 ON APR 01	94 300	1987
1988	---	14.0 ON JUN 02	0E ON APR 01	109 000	1988
1989	---	10.2 ON JUN 10	0 ON APR 01	89 900	1989
1990	---	9.90 ON JUL 16	0 ON APR 01	103 000	1990
				67 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	0.367	2.94	5.77	2.55	1.05	1.70	---	---	2.40	1955
1956	---	---	---	---	0.420	4.50	5.61	1.62	1.57	1.19	---	---	2.48	1956
1957	---	---	---	---	1.18	5.07	7.68	2.55	1.13	1.04	---	---	3.11	1957
1958	---	---	---	---	2.13	7.37	5.04	2.38	0.866	0.896	---	---	3.10	1958
1959	---	---	---	---	0.935	6.05	5.75	2.78	1.30	1.08	---	---	2.98	1959
1960	---	---	---	---	0.829	8.00	7.10	1.85	1.60	1.92	---	---	3.55	1960
1961	---	---	---	---	3.73	7.84	6.83	4.20	1.96	2.45	---	---	4.50	1961
1962	---	---	---	---	3.01	7.90	5.51	4.77	0.792	2.62	---	---	4.10	1962
1963	---	---	---	---	5.22	6.11	3.00	3.73	1.83	2.84	---	---	3.82	1963
1964	---	---	---	---	1.28	4.65	6.93	3.84	0.727	1.49	---	---	3.16	1964
1965	---	---	---	---	0.822	2.94	2.25	2.69	0.553	1.07	---	---	1.72	1965
1966	---	---	---	---	1.00	3.84	6.50	2.56	0.815	1.42	---	---	2.69	1966
1967	---	---	---	---	0.324	1.98	8.00	4.23	1.49	1.45	---	---	3.26	1967
1968	---	---	---	0.071	1.73	6.14	7.39	3.10	0.815	1.07	---	---	3.37	1968
1969	---	---	---	---	1.49	7.27	6.22	3.54	1.71	2.86	---	---	3.84	1969
1970	---	---	---	---	2.04	3.67	3.83	4.53	2.34	1.76	---	---	3.03	1970
1971	---	---	---	0	1.70	6.75	7.95	3.90	2.31	1.64	0	---	4.04	1971
MEAN	---	---	---	0.036	1.66	5.49	5.96	3.22	1.34	1.79	0	---	3.24	MEAN

LOCATION - LAT 50 22 25 N
LONG 111 52 50 W REGULATED

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	6.97 ON JUN 28	0 ON MAY 01 *	38 200	1955
1956	---	7.22 ON JUN 15	0 ON MAY 01	39 400	1956
1957	---	8.75 ON JUL 15	0 ON MAY 01	49 400	1957
1958	---	8.55 ON JUN 02	0 ON MAY 01	49 400	1958
1959	---	9.94 ON JUN 22	0 ON MAY 01	47 300	1959
1960	---	9.37 ON JUN 15	0 ON MAY 01	56 400	1960
1961	---	8.83 ON JUN 07	0 ON SEP 08	71 500	1961
1962	---	9.06 ON JUN 05	0.003E ON MAY 01	65 200	1962
1963	---	9.80 ON MAY 28	0 ON OCT 20	60 700	1963
1964	---	8.98 ON JUN 10	0 ON AUG 24	50 200	1964
1965	---	7.56 ON JUN 15	0 A ON MAY 01	27 300	1965
1966	---	8.81 ON JUL 15	0 ON MAY 01	42 800	1966
1967	---	9.09 ON JUL 21	0 ON MAY 01	51 900	1967
1968	---	10.1 ON JUN 28 *	0 ON OCT 27	53 600	1968
1969	---	8.98 ON JUN 19	0 ON MAY 01	61 000	1969
1970	---	9.06 ON JUN 10	0 ON MAY 01	48 100	1970
1971	---	9.80 ON JUN 25	0 ON MAY 01	64 200	1971
				51 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0.209	1.44	4.03	2.21	1.37	0.916	0	---	1.28	1917
1918	---	---	---	0	1.42	5.71	5.52	3.11	1.96	2.47	0.416	---	2.59	1918
1919	---	---	---	0	0.934	6.67	10.4	2.76	2.01	1.53	0	---	3.05	1919
1920	---	---	---	0	0.503	7.97	11.1	5.60	3.95	0.285	0	---	3.69	1920
1921	---	---	---	0	1.17	15.8	20.3	9.74	6.01	5.52	0	---	6.66	1921
1922	---	---	---	0	1.53	14.7	20.9	9.57	6.01	0.551	0	---	6.68	1922
1923	---	---	---	0	5.60	6.54	8.21	6.58	5.44	0.734	0	---	4.16	1923
1924	---	---	---	0.373	9.12	15.5	19.5	8.37	6.42	2.13	0	---	7.71	1924
1925	---	---	---	0	3.27	13.5	17.3	11.1	7.91	0.002	0	---	6.65	1925
1926	---	---	---	0	5.94	18.1	18.4	12.6	10.3	0.180	0	---	8.20	1926
1927	---	---	---	0	0.846	6.41	8.59	7.78	6.52	0	0	---	3.78	1927
1928	---	---	---	0	7.99	14.4	8.20	8.16	7.98	0.192	0	---	5.87	1928
1929	---	---	---	0.873	6.04	14.6	18.7	12.1	10.0	5.55	0	---	8.51	1929
1930	---	---	---	0.496	4.90	18.8	17.8	12.3	10.4	0	0	---	8.10	1930
1945	---	---	---	0	5.40	17.5	22.5	16.5	9.41	7.48	0	---	9.90	1945
1946	---	---	---	0	11.2	19.0	21.3	14.8	9.29	5.04	0	---	10.1	1946
1947	---	---	---	0	3.27	13.3	26.7	14.4	7.40	4.37	0	---	8.79	1947
1948	---	---	---	0	0.722	13.0	24.3	6.40	5.94	5.32	0	---	6.94	1948
1949	---	---	---	0.410	11.0	21.4	24.5	12.3	5.52	6.91	0	---	10.3	1949
1950	---	---	---	0	3.51	21.3	21.8	8.91	4.35	4.17	0	---	8.03	1950
1951	---	---	---	0	0.384	3.29	12.6	11.9	0	3.26	0	---	3.98	1951
1952	---	---	---	0	2.67	16.2	11.8	4.93	5.10	5.28	0	---	6.01	1952
1953	---	---	---	0	0.365	0.608	8.53	9.62	3.61	5.85	0	---	3.34	1953
1954	---	---	---	0	1.33	7.50	19.8	9.25	2.18	4.50	0	---	5.63	1954
1955	---	---	---	0	1.09	11.0	19.5	13.3	3.98	5.40	0	---	6.84	1955
1956	---	---	---	0	2.06	16.9	19.2	6.63	7.20	6.64	0	---	7.36	1956
1957	---	---	---	0	5.62	18.6	21.8	12.2	5.18	5.42	0	---	8.65	1957
1958	---	---	---	0	8.47	22.0	12.0	13.1	3.52	3.72	0	---	7.88	1958
1959	---	---	---	0	2.79	12.6	15.1	9.43	3.74	3.22	0	---	5.89	1959
1960	---	---	---	0	3.21	17.3	20.5	11.4	4.83	4.14	0.001	---	7.69	1960
1961	---	---	---	0.001	4.48	24.3	20.9	13.7	6.28	5.77	0	---	9.46	1961
1962	---	---	---	0.056	4.67	21.6	19.1	12.8	1.74	3.98	0	---	8.03	1962
1963	---	---	---	0	9.83	20.0	10.1	14.1	5.41	4.43	0	---	7.63	1963
1964	---	---	---	0.001	4.98	14.7	18.3	12.6	3.94	3.81	0	---	7.33	1964
1965	---	---	---	0	3.59	12.5	10.4	13.8	2.02	4.20	0	---	5.85	1965
1966	---	---	---	0.260	3.19	14.2	14.7	9.23	5.64	4.38	0	---	6.10	1966
1967	---	---	---	0	0.142	5.38	20.2	14.4	3.33	7.68	0	---	6.31	1967
1968	---	---	---	0.089	6.89	14.4	18.0	9.32	2.08	3.99	0.005	---	6.80	1968
1969	---	---	---	0	3.71	19.6	12.4	12.6	4.41	3.72	0	---	7.08	1969
1970	---	---	---	0	4.48	12.6	12.0	12.1	5.65	3.71	0	---	6.34	1970
1971	---	---	---	0	2.93	13.6	18.4	16.2	6.09	2.62	0	---	7.51	1971
1972	---	---	---	0.003	6.73	18.6	20.1	15.4	6.31	3.42	0	---	8.85	1972
1973	---	---	---	0.001	6.25	9.82	20.8	13.6	5.71	3.70	0.005	---	7.55	1973
1974	---	---	---	0	0.978	17.3	19.8	16.0	7.68	4.78	0	---	8.35	1974
1975	---	---	---	0	1.18	4.36	20.5	11.7	5.37	2.54	0	---	6.00	1975
1976	---	---	---	0	9.92	22.3	18.8	7.75	5.55	4.14	0	---	8.58	1976
1977	---	---	---	1.19	7.00	20.4	23.1	7.39	2.99	1.88	0.002	---	8.03	1977
1978	---	---	---	0.003	1.46	7.49	20.3	8.72	1.62	2.43	0.011	---	5.30	1978
1979	---	---	---	0	2.24	13.4	21.1	10.3	6.73	3.06	0	---	7.15	1979
1980	---	---	---	0.250	9.26	12.9	21.0	8.98	6.48	2.91	0	---	7.77	1980
1981	---	---	---	0	2.21	14.4	18.1	11.1	8.83	3.96	0	---	7.34	1981
1982	---	---	---	0	4.54	17.9	11.0	13.3	4.93	2.52	0	---	6.79	1982
1983	---	---	---	0	4.85	17.3	17.1	15.3	6.30	3.28	0	---	8.05	1983
1984	---	---	---	0.284	9.13	19.3	27.8	9.65	6.96	2.35	0	---	9.48	1984
1985	---	---	---	0	6.84	22.8	26.7	11.1	5.05	0.596	0	---	9.17	1985
1986	---	---	---	0	4.48	25.5	18.7	11.5	5.25	0.066	---	---	---	1986
1987	---	---	---	0	12.2	18.2	16.1	7.47	3.31	2.79	0.006	---	7.53	1987
1988	---	---	---	0.751	18.7	13.7	21.6	11.4	7.30	3.13	0	---	9.64	1988
1989	---	---	---	0	6.36	17.2	20.3	12.1	3.99	1.21	0	---	7.68	1989
1990	---	---	---	0	7.99	14.5	23.7	13.3	8.27	2.85	0	---	8.87	1990
MEAN	---	---	---	0.084	4.72	14.5	17.5	10.8	5.28	3.26	0.008	---	7.04	MEAN

LOCATION - LAT 50 43 20 N
LONG 112 20 20 W REGULATED

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	4.30 ON JUL 22	0 ON APR 01 *	27 000	1917
1918	---	9.05 ON JUN 17	0 ON APR 01	54 500	1918
1919	---	14.3 ON JUL 15	0 ON APR 01	64 400	1919
1920	---	16.7 ON JUL 04	0 ON APR 01	77 800	1920
1921	---	25.2 ON JUL 03	0 ON APR 01	140 000	1921
1922	---	25.4 A ON JUN 30	0 ON APR 01	141 000	1922
1923	---	14.9 ON JUL 29	0 ON APR 01	87 600	1923
1924	---	20.2 ON JUL 22	0 ON APR 01	163 000	1924
1925	---	19.8 ON JUL 06	0 ON APR 01	140 000	1925
1926	---	20.8 ON JUN 20	0 ON APR 01	173 000	1926
1927	---	9.06 ON AUG 09	0 ON APR 01	79 700	1927
1928	---	19.7 ON JUN 02	0 ON APR 01	124 000	1928
1929	---	20.1 ON JUL 01	0 ON APR 01	179 000	1929
1930	---	24.6 ON JUN 23	0 ON APR 01	171 000	1930
1945	---	29.7 ON JUN 26	0 ON APR 01	209 000	1945
1946	---	29.4 ON JUN 22	0 ON APR 01	214 000	1946
1947	---	27.8 ON JUL 22	0 ON APR 01	185 000	1947
1948	---	28.3 ON JUL 13	0 ON APR 01	146 000	1948
1949	---	28.6 ON JUN 20	0 ON APR 01	217 000	1949
1950	---	27.9 ON JUN 19	0 ON APR 01	169 000	1950
1951	---	24.6 ON JUL 31	0 ON APR 01	83 900	1951
1952	---	23.0 ON JUN 11	0 ON APR 01	127 000	1952
1953	---	14.8 E ON JUL 23	0 ON APR 01	70 500	1953
1954	---	25.8 ON JUL 22	0 ON APR 01	119 000	1954
1955	---	24.4 ON JUL 25	0 ON APR 01	144 000	1955
1956	---	24.2 ON JUN 15	0E ON APR 01	155 000	1956
1957	---	25.4 ON JUL 11	0E ON APR 01	102 000	1957
1958	---	27.9 ON JUN 12	0E ON APR 01	166 000	1958
1959	---	23.1 ON JUL 19	0E ON APR 01	124 000	1959
1960	---	23.4 ON JUL 24	0 ON APR 01	162 000	1960
1961	---	25.7 ON JUN 13	0E ON APR 01	199 000	1961
1962	---	25.7 ON JUL 04	0E ON APR 01	169 000	1962
1963	---	20.6 ON JUN 08	0E ON APR 01	161 000	1963
1964	---	26.3 ON JUL 25	0E ON APR 01	154 000	1964
1965	---	23.4 ON JUL 30	0 ON APR 01	123 000	1965
1966	---	20.5 ON JUN 24	0E ON APR 01	129 000	1966
1967	---	26.6 ON JUL 30	0 ON APR 01	141 000	1967
1968	---	26.4 ON JUN 25	0E ON APR 01	143 000	1968
1969	---	24.1 ON JUN 28	0E ON APR 01	149 000	1969
1970	---	28.9 ON JUN 10	0 ON APR 01	134 000	1970
1971	---	27.3 ON AUG 04	0 ON APR 01	158 000	1971
1972	---	23.7 ON JUN 09	0E ON APR 01	187 000	1972
1973	---	26.6 ON JUL 28	0 ON APR 01	159 000	1973
1974	---	29.2 ON JUL 30	0E ON APR 01	176 000	1974
1975	---	30.3 ON JUL 19	0E ON APR 01	127 000	1975
1976	---	25.3 ON JUN 15	0E ON APR 01	181 000	1976
1977	---	27.3 ON JUL 25	0A ON APR 01	169 000	1977
1978	---	28.1 ON JUL 14	0 ON MAY 01	112 000	1978
1979	---	25.2 ON JUL 24	0E ON APR 01	151 000	1979
1980	---	24.0 ON JUL 14	0E ON APR 01	164 000	1980
1981	---	26.9 ON JUL 19	0 ON APR 01	155 000	1981
1982	---	29.2 ON JUN 26	0E ON APR 01	143 000	1982
1983	---	23.0 ON JUL 30	0 ON APR 01	170 000	1983
1984	---	30.7 ON JUL 26	0 ON APR 01	200 000	1984
1985	---	32.6 ON JUL 14 *	0 ON APR 01	193 000	1985
1986	---	27.6 ON JUN 16	0A ON APR 01	---	1986
1987	---	25.7 ON JUN 16	0 ON APR 01	159 000	1987
1988	---	27.7 ON MAY 17	0 ON APR 01	203 000	1988
1989	---	25.1 ON JUL 23	0 ON APR 01	162 000	1989
1990	---	28.2 ON JUL 02	0 ON APR 01	187 000	1990
				148 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO. 05BN003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.285	0.915	1.03	0.240	0.277	0.369	0.107	---	0.519	1918
1955	---	---	---	---	0.008	2.84	4.78	2.51	0.494	0.917	0	---	1.93	1955
1956	---	---	---	---	0.108	3.72	4.59	0.583	0.820	1.10	0	---	1.82	1956
1957	---	---	---	---	1.22	4.30	6.42	1.55	0.724	0.733	0	---	2.49	1957
1958	---	---	---	---	1.64	4.40	3.50	1.97	1.15	0.615	0	---	2.21	1958
1959	---	---	---	---	0.229	4.09	6.04	1.51	0.718	0.331	0	---	2.15	1959
1960	---	---	---	---	0.505	5.66	6.58	1.64	1.25	1.32	0	---	2.82	1960
1961	---	---	---	---	3.21	6.60	5.98	2.91	1.47	1.77	0	---	3.65	1961
1962	---	---	---	---	2.40	6.01	4.81	2.55	0.629	1.41	0	---	3.13	1962
1963	---	---	---	---	3.50	5.57	1.55	4.61	0.334	0.979	0	---	2.45	1963
1964	---	---	---	---	1.31	3.71	4.78	3.12	0.953	0.557	0	---	2.41	1964
1965	---	---	---	---	0.922	3.66	2.27	3.24	0.480	0.801	0	---	1.89	1965
1966	---	---	---	---	1.22	4.56	5.49	2.14	0.644	1.17	0	---	2.54	1966
1967	---	---	---	---	0.048	2.05	5.98	4.26	1.25	2.56	0	---	2.70	1967
1968	---	---	---	0.362	4.19	5.06	5.77	2.15	1.14	1.12	0.001	---	3.24	1968
1969	---	---	---	---	0.722	5.67	4.37	3.66	0.977	1.58	0	---	2.83	1969
1970	---	---	---	---	1.84	2.56	2.99	3.02	2.54	0.066	0	---	2.16	1970
1971	---	---	---	0	0.835	4.20	6.30	3.77	0.870	0.549	0	---	2.76	1971
MEAN	---	---	---	0.181	1.34	4.20	4.62	2.47	0.940	0.997	0.006	---	2.43	MEAN

LOCATION - LAT 50 32 05 N
LONG 111 49 10 W REGULATED

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO. 05BN003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	1.73 ON JUN 10	0 ON MAY 01 *	8 260	1918
1955	---	5.78 ON JUL 06	0 ON MAY 01	30 600	1955
1956	---	6.20 ON JUN 29	0 ON MAY 01	28 900	1956
1957	---	7.02 ON JUL 12	0 ON MAY 01	39 600	1957
1958	---	5.78 ON JUN 19	0 ON MAY 01	35 100	1958
1959	---	7.45 ON JUN 25	0 ON MAY 01	34 200	1959
1960	---	8.30 ON JUL 15	0 ON MAY 01	44 800	1960
1961	---	7.33 ON JUN 28	0 ON MAY 18	58 100	1961
1962	---	6.65 ON JUN 25	0 ON MAY 01	49 800	1962
1963	---	7.33 ON JUN 20	0 ON MAY 01	39 000	1963
1964	---	5.89 ON JUL 30	0 ON MAY 01	38 300	1964
1965	---	5.72 ON JUN 11	0 ON MAY 01	30 100	1965
1966	---	9.37 ON JUN 29 *	0E ON MAY 01	40 300	1966
1967	---	7.08 ON JUL 18	0 ON MAY 01	43 000	1967
1968	---	7.50 ON JUL 05	0 ON SEP 15	51 500	1968
1969	---	7.33 ON JUN 26	0 ON MAY 01	44 900	1969
1970	---	5.95 ON JUN 06	0 ON MAY 01	34 400	1970
1971	---	6.97 ON JUL 23	0 ON MAY 01	43 800	1971
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 600	MEAN

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	2.37	2.03	12.9	31.6	12.7	6.42	4.61	3.61	---	---	9.49	1967
1968	---	---	1.95	2.07	6.29	17.9	10.8	7.38	5.86	5.49	3.70	2.89	7.20	1968
1969	2.70	2.17	1.87	2.84	11.8	21.0	20.1	6.88	4.84	3.83	3.31	2.69	9.15	1969
1970	2.10	2.13	1.80	1.85	8.40	22.8	9.07	4.65	4.01	3.48	2.59	2.19	6.98	1970
1971	2.10	1.88	1.67	2.26	10.6	20.1	8.35	5.19	3.77	3.54	2.84	2.21	6.90	1971
1972	2.18	1.78	2.05	2.22	10.9	22.8	12.4	8.51	6.24	4.46	3.43	2.69	8.67	1972
1973	2.22	2.16	2.04	2.18	9.86	19.2	9.50	5.49	6.47	3.99	2.92	2.46	7.32	1973
1974	2.10	1.68	1.79	2.45	8.95	29.7	14.6	9.35	7.37	4.38	3.49	2.61	9.78	1974
1975	1.59	2.31	1.81	2.03	6.04	18.3	13.9	6.46	4.42	3.66	2.74	2.40	7.05	1975
1976	1.92	1.73	1.68	2.06	8.68	9.14	8.42	10.7	6.17	4.26	3.13	2.68	6.39	1976
1977	2.15	1.97	1.78	1.99	4.87	7.22	4.05	6.07	4.33	3.41	---	---	4.21	1977
1978	---	---	1.45	1.96	7.23	18.3	12.1	6.51	5.58	4.63	---	---	7.20	1978
1979	---	---	1.97	2.28	7.99	10.7	6.58	4.32	3.45	2.69	---	---	4.99	1979
1980	---	---	1.49	2.22	9.71	22.2	6.83	7.18	6.00	4.67	---	---	7.51	1980
1981	---	---	1.87	2.06	18.5	23.8	17.3	9.24	5.90	3.76	---	---	10.2	1981
1982	---	---	1.72	1.95	4.15	17.3	7.02	4.38	3.75	2.96	---	---	5.61	1982
1983	---	---	1.69	2.31	9.93	11.1	9.14	4.80	2.35	2.98	---	---	5.64	1983
1984	---	---	1.57	1.63	3.21	11.4	5.81	3.89	2.95	3.25	---	---	4.20	1984
1985	---	---	1.57	1.87	6.58	9.65	5.31	7.24	10.7	5.61	---	---	6.04	1985
1986	---	---	2.08	2.15	11.6	16.5	9.22	7.14	5.96	6.49	---	---	7.64	1986
1987	---	---	2.19	2.45	6.41	7.03	9.57	6.92	4.66	3.35	---	---	5.33	1987
1988	---	---	1.63	1.94	6.09	10.9	5.36	7.98	4.76	4.68	---	---	5.41	1988
1989	---	---	1.70	2.07	6.25	12.1	6.76	5.24	6.51	3.94	---	---	5.55	1989
1990	---	---	1.83	2.15	16.6	23.5	14.0	9.14	5.49	4.39	---	---	9.63	1990
MEAN	2.12	1.98	1.81	2.13	8.89	17.2	9.99	6.71	5.26	4.10	3.13	2.54	7.00	MEAN

LOCATION - LAT 50 51 20 N DRAINAGE AREA, 437 km^2
LONG 114 47 37 W NATURAL FLOW

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	159 R *	105 ON MAY 31 *	1.64B ON APR 20	201 000	1967
1968	33.1 AT 00:31 MST ON JUN 03	27.3 ON JUN 10	1.85 ON APR 04	152 000	1968
1969	65.1 AT 09:20 MST ON JUN 29	57.8 ON JUN 29	1.76B ON MAR 01	194 000	1969
1970	56.9 AT 16:48 MST ON JUN 16	52.1 ON JUN 16	1.68 ON MAR 07	148 000	1970
1971	58.6 AT 05:00 MST ON JUN 06	49.0 ON JUN 06	1.60 ON MAR 08	146 000	1971
1972	43.6 AT 01:30 MST ON JUN 01	38.8 ON JUN 01	1.64B ON MAR 01	183 000	1972
1973	38.8 AT 04:30 MST ON JUN 07	31.7 ON JUN 07	1.97 ON APR 02	155 000	1973
1974	61.4 AT 01:00 MST ON JUN 17	52.7 ON JUN 17	1.70 ON MAR 11	207 000	1974
1975	46.7 AT 23:30 MST ON JUN 19	39.4 ON JUN 20	1.68B ON MAR 29	149 000	1975
1976	30.0 AT 03:00 MST ON AUG 06	24.8 ON AUG 06	1.53 ON MAR 30	135 000	1976
1977	16.2 AT 10:00 MST ON AUG 13	13.6 ON AUG 14	1.72 ON MAR 28	89 100	1977
1978	45.0 AT 22:00 MST ON JUN 05	35.7 ON JUN 06	1.62 ON MAR 23	152 000	1978
1979	31.5 AT 23:00 MST ON MAY 26	23.2 ON MAY 27	1.85B ON MAR 22	106 000	1979
1980	46.8 AT 00:30 MST ON JUN 11	38.0 ON JUN 11	1.43 ON MAR 30	159 000	1980
1981	76.6 AT 00:30 MST ON MAY 26	62.1 ON MAY 26	1.70E ON MAR 01	215 000	1981
1982	28.4 AT 23:20 MST ON JUN 13	25.0 ON JUN 16	1.60 ON MAR 20	119 000	1982
1983	31.2 AT 21:46 MST ON MAY 29	24.2 ON MAY 29	1.55 ON MAR 25	119 000	1983
1984	23.2 AT 22:05 MST ON MAY 30	16.7 ON JUN 15	1.46 ON APR 02	88 900	1984
1985	47.8 AT 22:01 MST ON SEP 12	34.9 ON SEP 13	1.16B ON MAR 05 *	128 000	1985
1986	52.2 AT 23:25 MST ON MAY 27	43.2 ON MAY 28	1.91 ON MAR 19	162 000	1986
1987	23.7 AT 03:57 MST ON JUL 22	21.7 ON JUL 22	2.02 ON MAR 27	113 000	1987
1988	38.3 AT 02:17 MST ON JUN 08	28.7 ON JUN 08	1.58B ON MAR 05	115 000	1988
1989	20.1 AT 07:08 MST ON JUN 09	18.7 ON JUN 09	1.61B ON APR 02	118 000	1989
1990	132 AT 23:15 MST ON MAY 25	83.3 ON MAY 26	1.73B ON MAR 26	204 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		148 000	MEAN

ELBOW RIVER ABOVE GLENMORE DAM - STATION NO. 05BJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	19.0	10.3	7.44	6.73	4.24	4.42	2.91	---	1933
1934	3.65	3.11	3.43	4.74	10.0	14.2	8.69	4.75	4.32	4.07	3.70	2.40	5.59	1934
1935	2.32	2.69	2.36	5.81	9.32	17.0	9.51	8.10	4.45	4.10	3.46	2.47	5.98	1935
1936	1.99	1.80	2.71	5.82	6.11	13.1	4.18	3.82	3.68	3.25	2.88	1.77	4.25	1936
1937	1.97	1.89	2.22	3.24	5.00	22.7	13.6	8.13	6.34	7.01	5.90	3.41	6.80	1937
1938	3.24	2.49	3.39	5.10	20.0	24.5	22.8	8.72	6.34	5.64	4.74	2.75	9.27	1938
1939	3.04	2.24	3.40	4.15	5.21	32.2	14.3	6.01	6.22	6.58	5.95	3.83	7.77	1939
1940	2.44	2.95	3.09	9.45	14.3	11.1	9.20	4.80	15.7	7.75	4.83	3.71	7.35	1940
1941	3.74	2.74	3.82	3.64	4.47	14.9	5.48	5.86	9.16	6.97	4.67	3.10	5.63	1941
1942	2.75	2.47	2.96	3.94	30.6	41.4	31.6	20.3	18.7	12.6	6.75	4.72	15.0	1942
1943	3.01	4.90	5.96	15.2	11.0	20.7	18.7	8.35	5.42	5.04	4.18	3.25	8.75	1943
1944	2.48	2.63	2.77	4.24	5.37	15.0	9.51	10.9	6.71	5.01	3.91	2.68	5.93	1944
1945	2.57	2.38	3.03	3.79	20.7	42.9	23.3	10.9	9.92	10.7	6.56	4.44	11.8	1945
1946	3.91	3.46	5.67	6.32	11.1	25.0	13.1	10.7	14.1	8.41	5.92	4.79	9.39	1946
1947	3.98	3.45	8.03	10.8	44.7	30.4	15.8	11.3	12.2	10.6	7.79	5.52	12.1	1947
1948	4.33	3.03	3.77	13.3	44.3	39.4	19.3	16.4	7.79	5.99	4.72	2.30	13.8	1948
1949	3.40	3.20	3.53	6.88	9.87	12.4	6.98	4.78	4.70	4.96	3.93	2.66	5.61	1949
1950	2.90	2.93	2.73	6.24	9.65	22.2	16.8	11.2	5.65	4.75	3.48	2.22	7.67	1950
1951	5.30	4.73	3.45	6.13	27.9	43.5	43.1	26.3	35.7	19.9	12.1	5.81	19.1	1951
1952	5.09	5.03	5.27	23.5	19.5	32.9	26.9	17.3	11.8	8.60	6.71	3.91	13.9	1952
1953	3.50	3.94	4.51	9.68	24.8	64.1	27.6	11.8	7.88	6.23	4.79	4.06	14.4	1953
1954	3.04	4.17	3.10	6.06	23.3	31.8	20.8	19.0	13.7	11.6	8.36	5.85	12.6	1954
1955	3.89	3.81	3.64	9.21	25.4	26.7	22.5	8.32	5.67	5.44	3.84	3.70	10.2	1955
1956	3.47	2.78	3.69	5.47	16.4	18.6	19.8	8.60	6.95	5.00	3.95	3.05	8.17	1956
1957	2.50	2.75	3.66	6.41	20.2	19.9	8.90	6.20	6.22	6.13	5.71	3.70	7.71	1957
1958	3.17	2.72	3.00	13.2	24.2	43.1	32.0	13.0	8.66	5.80	4.50	3.71	11.5	1958
1959	2.60	3.09	3.47	5.02	12.6	24.6	14.3	7.53	8.24	6.68	5.16	3.94	8.12	1959
1960	2.79	3.50	6.11	5.13	12.7	20.0	11.9	7.48	4.61	4.32	3.45	2.88	7.09	1960
1961	2.52	2.43	3.22	3.73	18.9	21.2	11.3	11.0	6.74	10.8	6.38	3.34	8.52	1961
1962	3.67	3.52	3.65	9.95	12.6	19.1	8.36	5.30	6.36	4.59	3.55	2.50	6.92	1962
1963	2.30	3.64	3.42	3.68	7.98	30.6	25.6	7.85	5.70	5.28	4.29	3.22	8.65	1963
1964	2.70	3.09	2.42	4.41	18.7	36.3	14.2	6.68	6.12	6.19	4.49	2.98	9.02	1964
1965	3.17	3.39	3.68	10.8	8.56	34.9	31.6	19.6	17.9	14.2	6.62	5.15	13.3	1965
1966	3.93	4.11	3.85	5.80	16.9	23.0	15.9	8.87	6.21	5.90	4.41	3.11	8.64	1966
1967	2.58	2.92	4.98	7.20	24.1	48.9	15.6	7.87	4.68	4.49	3.53	2.96	10.7	1967
1968	2.66	2.64	3.90	3.86	10.1	26.5	14.5	10.9	9.24	10.3	4.50	2.95	8.51	1968
1969	3.24	3.41	4.08	13.3	24.1	37.2	36.3	7.88	6.11	5.05	4.61	3.10	12.4	1969
1970	2.90	2.83	3.59	4.58	15.6	33.0	12.5	5.69	5.08	4.30	3.28	3.01	8.03	1970
1971	2.60	2.65	2.54	11.0	12.9	30.0	9.84	5.37	5.01	4.69	3.58	2.29	7.96	1971
1972	2.91	2.74	5.91	5.88	16.4	29.8	17.0	9.74	7.10	5.32	4.12	3.11	9.18	1972
1973	3.24	3.18	5.41	6.47	17.8	26.8	10.3	6.23	7.40	5.10	3.84	3.17	8.28	1973
1974	2.38	2.82	2.64	8.95	23.6	37.0	14.5	10.8	7.37	4.87	3.97	2.97	10.2	1974
1975	2.58	3.23	3.31	5.75	9.53	22.5	13.8	7.06	5.57	4.87	3.31	2.98	7.05	1975
1976	2.21	2.77	3.18	5.59	12.6	11.0	8.94	10.4	7.67	6.04	4.24	3.73	7.22	1976
1977	3.03	3.49	3.31	4.82	8.15	8.55	5.32	7.92	6.29	5.51	3.90	2.74	5.26	1977
MEAN	2.99	3.09	3.75	7.23	16.1	26.7	16.5	9.90	8.40	6.77	4.87	3.42	9.21	MEAN

LOCATION - LAT 51 00 00 N
LONG 114 06 00 W

DRAINAGE AREA, 1 220 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

ELBOW RIVER ABOVE GLENMORE DAM - STATION NO. 05BJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	24.4 ON JUN 10	0.453 ON DEC 28	176 000	1934
1935	---	29.2 ON JUN 18	0.821 ON JAN 01	188 000	1935
1936	---	52.3 ON JUN 02	0.793 ON DEC 06	134 000	1936
1937	---	55.2 ON JUN 14	0.934 ON FEB 13	214 000	1937
1938	---	60.3 ON JUL 03	0.623 ON DEC 29	292 000	1938
1939	---	90.6 ON JUN 17	1.19 ON DEC 26	245 000	1939
1940	---	36.2 ON SEP 06	1.02 ON JAN 17	233 000	1940
1941	---	39.1 ON JUN 02	0.850 ON JAN 17	178 000	1941
1942	---	127 ON MAY 11	0.538 ON JAN 08	472 000	1942
1943	---	31.1 ON APR 04	0.453 ON JAN 18	276 000	1943
1944	---	23.9 ON JUN 13	0.340 ON JAN 12	188 000	1944
1945	---	74.8 ON JUN 01	0.821 ON JAN 04	372 000	1945
1946	---	50.7 ON JUN 07	1.98 ON JAN 27	296 000	1946
1947	---	68.2 ON MAY 11	1.22 ON FEB 03	380 000	1947
1948	---	127 ON MAY 23	0.850 ON DEC 15	435 000	1948
1949	---	19.7 ON MAY 22	1.10 ON DEC 20	177 000	1949
1950	---	35.1 ON JUN 16	1.53 ON NOV 14	242 000	1950
1951	---	137 ON AUG 31	1.42 ON JAN 05	603 000	1951
1952	---	79.0 ON JUN 23	2.66 ON DEC 28	439 000	1952
1953	---	132 ON JUN 04	1.59 ON JAN 08	455 000	1953
1954	---	48.1 ON AUG 25	1.05 ON JAN 18	397 000	1954
1955	---	45.9 ON MAY 20	1.70 ON MAR 25	322 000	1955
1956	---	37.4 ON JUL 04	0.198 ON DEC 05 *	258 000	1956
1957	---	30.3 ON JUN 09	0.934 ON JAN 09	243 000	1957
1958	---	54.9 ON JUL 14	1.27 ON DEC 07	363 000	1958
1959	---	49.3 ON JUN 27	0.765 ON JAN 04	256 000	1959
1960	---	30.0 ON JUN 04	1.13 ON DEC 20	224 000	1960
1961	---	51.0 ON MAY 27	0.793 ON FEB 18	289 000	1961
1962	---	27.8 ON JUN 17	0.963 ON DEC 31	218 000	1962
1963	---	124 ON JUN 30	1.02 ON DEC 21	273 000	1963
1964	---	62.9 ON JUN 09	1.27 ON JAN 12	285 000	1964
1965	---	104 ON JUN 10	2.01 ON DEC 29	420 000	1965
1966	---	36.5 ON JUL 03	1.30 ON JAN 07	272 000	1966
1967	---	199 ON MAY 31 *	1.13 ON DEC 22	336 000	1967
1968	---	51.3 ON JUN 08	1.05 ON JAN 09	269 000	1968
1969	---	125 ON JUN 30	1.44 ON DEC 25	391 000	1969
1970	---	97.1 ON JUN 14	0.878 ON JAN 07	253 000	1970
1971	---	85.2 ON JUN 06	0.963 ON DEC 12	251 000	1971
1972	---	41.9 ON JUN 01	1.64 ON DEC 08	290 000	1972
1973	---	45.3 ON MAY 27	2.12 ON DEC 15	261 000	1973
1974	---	62.0 ON JUN 18	1.13 ON JAN 09	321 000	1974
1975	---	49.0 ON JUN 21	0.765 ON JAN 11	222 000	1975
1976	---	37.9 ON AUG 06	0.821 ON MAR 04	228 000	1976
1977	---	16.3 ON AUG 15	1.42 ON DEC 10	166 000	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		291 000	MEAN

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	8.72	13.9	11.1	---	---	---	---	---	---	1935
1936	---	---	---	---	---	5.81	2.32	---	---	---	---	---	---	1936
1937	---	---	---	---	4.52	20.5	12.9	5.02	---	---	---	---	---	1937
1938	---	---	---	---	21.9	27.0	24.3	9.47	---	---	---	---	---	1938
1939	---	---	---	---	---	35.4	15.0	3.48	---	---	---	---	---	1939
1940	---	---	---	---	9.88	10.3	7.42	4.28	---	---	---	---	---	1940
1941	---	---	---	---	---	17.2	3.85	---	---	---	---	---	---	1941
1942	---	---	---	---	37.2	41.4	35.0	---	---	---	---	---	---	1942
1943	---	---	---	---	13.9	31.2	31.2	---	---	---	---	---	---	1943
1944	---	---	---	---	---	12.9	---	---	---	---	---	---	---	1944
1945	---	---	---	---	20.5	48.1	26.4	---	---	---	---	---	---	1945
1946	---	---	---	---	10.7	22.7	12.2	---	---	---	---	---	---	1946
1947	---	---	---	---	22.8	30.5	16.1	---	---	---	---	---	---	1947
1948	---	---	---	---	38.8	37.9	---	---	---	---	---	---	---	1948
1949	---	---	---	---	8.12	11.8	8.17	5.75	5.68	5.18	---	---	---	1949
1950	---	---	---	3.78	9.00	21.9	15.4	9.57	5.77	4.79	---	---	---	1950
1951	---	---	---	4.66	25.0	36.5	41.3	20.3	29.5	14.2	---	---	---	1951
1952	---	---	5.13	9.34	16.6	28.5	20.4	15.4	9.54	8.97	---	---	---	1952
1953	---	---	2.94	4.88	20.3	62.5	24.8	15.0	7.58	6.14	---	---	---	1953
1954	---	---	2.89	3.58	16.2	24.6	17.9	15.9	12.4	11.3	---	---	---	1954
1955	---	---	2.90	5.41	14.9	22.6	19.0	8.67	6.13	5.44	---	---	---	1955
1956	---	---	2.83	4.58	13.7	16.0	16.0	7.93	6.49	5.24	---	---	---	1956
1957	---	---	2.86	4.19	16.6	16.9	8.86	6.52	6.78	6.54	---	---	---	1957
1958	---	---	2.55	4.33	20.6	21.9	25.1	11.4	8.11	5.94	---	---	---	1958
1959	---	---	2.36	4.47	11.0	21.1	12.3	7.70	8.06	6.55	---	---	---	1959
1960	---	---	3.77	5.01	11.3	17.4	11.2	8.24	5.26	4.51	---	---	---	1960
1961	---	---	3.84	3.44	18.2	20.8	11.2	10.0	7.35	5.58	---	---	---	1961
1962	---	---	3.62	7.73	12.5	17.8	9.38	6.25	6.72	5.06	---	---	---	1962
1963	---	---	3.28	3.64	7.99	30.5	19.7	8.35	6.99	5.81	---	---	---	1963
1964	---	---	3.85	4.38	14.7	34.8	13.5	7.16	6.72	6.28	---	---	---	1964
1965	---	---	1.63	8.13	7.45	32.9	21.7	16.4	13.8	13.0	---	---	---	1965
1966	---	---	4.05	4.86	14.1	21.8	14.0	10.1	7.38	6.26	---	---	---	1966
1967	---	---	2.59	3.69	24.4	46.1	16.5	8.92	6.44	5.35	---	---	---	1967
1968	---	---	3.20	3.70	9.63	24.1	12.6	9.67	8.58	8.55	---	---	---	1968
1969	---	---	3.04	8.12	21.2	33.1	28.1	7.67	6.68	5.66	---	---	---	1969
1970	---	---	3.19	3.78	12.9	30.5	11.6	6.75	5.68	4.78	---	---	---	1970
1971	---	---	2.69	2.69	17.1	29.1	11.3	6.96	5.45	5.05	4.34	3.17	---	1971
1972	2.77	2.53	4.07	5.06	18.2	30.9	16.7	10.4	7.75	6.21	---	---	---	1972
1973	---	---	3.35	4.91	19.9	25.7	12.3	7.49	8.19	5.28	---	---	---	1973
1974	---	---	3.33	6.18	20.3	35.7	14.3	10.7	8.74	6.37	---	---	---	1974
1975	---	---	3.10	3.99	9.32	20.4	15.1	8.45	5.93	4.95	---	---	---	1975
1976	---	---	2.49	4.14	11.8	11.3	10.3	16.0	8.59	5.88	---	---	---	1976
1977	---	---	2.79	3.42	7.56	9.53	5.63	8.02	6.76	5.53	4.23	3.37	---	1977
1978	2.45	2.24	3.30	4.86	13.5	23.4	15.8	9.48	8.16	6.62	4.85	3.02	8.16	1978
1979	2.17	2.57	3.35	4.85	13.3	13.1	8.06	5.84	4.90	3.92	3.14	3.10	5.70	1979
1980	1.89	2.01	2.19	5.53	13.7	29.5	8.70	8.91	7.74	6.39	4.50	4.69	7.97	1980
1981	3.68	4.44	2.90	3.04	30.0	30.5	20.5	13.1	9.69	5.69	4.53	3.39	10.6	1981
1982	3.23	3.07	2.85	3.60	6.24	21.3	11.0	5.80	5.18	5.46	3.82	3.01	6.21	1982
1983	3.96	4.92	3.02	4.90	13.6	14.1	12.1	6.57	5.15	4.40	3.34	2.36	6.32	1983
1984	2.24	2.33	2.81	3.34	4.95	14.5	7.62	5.35	4.52	4.76	3.33	2.59	4.86	1984
1985	2.52	2.12	2.43	3.76	8.45	10.7	6.27	9.26	15.8	8.01	4.60	3.70	5.48	1985
1986	4.94	5.96	3.65	3.72	16.1	20.0	12.6	8.92	7.74	11.1	6.61	4.07	8.40	1986
1987	3.07	2.90	3.72	4.46	8.62	8.51	12.7	10.3	6.59	4.98	4.33	3.07	5.13	1987
1988	2.17	2.41	2.74	4.14	7.94	12.4	6.53	9.56	6.65	6.57	4.24	3.35	5.73	1988
1989	2.70	2.41	2.50	3.86	10.4	14.8	9.06	7.32	9.02	5.69	4.19	3.40	6.29	1989
1990	3.11	2.90	2.51	4.17	24.8	31.0	16.8	12.5	7.67	6.05	4.62	3.69	10.0	1990
MEAN	2.71	2.56	3.06	4.72	15.3	24.2	15.1	9.17	7.97	6.47	4.31	3.33	7.14	MEAN

LOCATION - LAT 50 56 53 N LONG 114 34 10 W

DRAINAGE AREA, 791 km²
NATURAL FLOW

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	23.6 ON JUN 17	---	---	1935
1936	---	27.5 ON JUN 01	---	---	1936
1937	---	64.8 ON JUN 13	---	---	1937
1938	---	77.9 ON JUL 02	---	---	1938
1939	---	74.8 ON JUN 22	---	---	1939
1940	---	21.2 ON MAY 25	---	---	1940
1941	---	44.5 ON JUN 02	---	---	1941
1942	---	155 ON MAY 11	---	---	1942
1943	---	44.2 ON JUL 03	---	---	1943
1944	---	22.9 ON JUN 13	---	---	1944
1945	---	107 ON MAY 26	---	---	1945
1946	---	42.5 ON MAY 29	---	---	1946
1947	---	60.6 ON MAY 10	---	---	1947
1948	---	183 E ON MAY 23	---	---	1948
1949	---	17.6 ON MAY 22	---	---	1949
1950	58.0 ON JUN 15	44.2 ON JUN 15	---	---	1950
1951	110 AT 18:00 MST ON AUG 30	82.7 ON AUG 30	---	---	1951
1952	71.4 AT 14:30 MST ON JUN 12	59.7 ON JUN 23	---	---	1952
1953	101 AT 03:00 MST ON JUN 13	118 ON JUN 13	---	---	1953
1954	43.9 AT 06:00 MST ON AUG 25	39.4 ON AUG 25	---	---	1954
1955	47.6 AT 23:00 MST ON MAY 19	37.1 ON JUN 12	---	---	1955
1956	35.4 AT 03:00 MST ON MAY 21	30.9 ON MAY 21	---	---	1956
1957	30.0 AT 12:00 MST ON JUN 08	28.9 ON JUN 08	---	---	1957
1958	40.2 AT 05:00 MST ON JUL 13	37.9 ON JUL 13	---	---	1958
1959	45.9 AT 08:30 MST ON JUN 27	39.9 ON JUN 27	---	---	1959
1960	29.4 AT 14:00 MST ON JUN 03	28.9 ON JUN 03	---	---	1960
1961	57.2 AT 10:00 MST ON MAY 27	51.0 ON MAY 27	---	---	1961
1962	28.9 AT 03:00 MST ON JUN 16	26.1 ON JUN 16	---	---	1962
1963	268 AT 23:00 MST ON JUN 29	141 R ON JUN 30	---	---	1963
1964	97.4 AT 05:00 MST ON JUN 08	89.5 ON JUN 08	---	---	1964
1965	184 AT 06:00 MST ON JUN 18	127 R ON JUN 18	---	---	1965
1966	32.3 AT 02:00 MST ON JUN 05	30.6 ON JUN 05	---	---	1966
1967	283 AT 01:30 MST ON MAY 31 *	185 ON MAY 31 *	---	---	1967
1968	50.7 AT 00:35 MST ON JUN 10	43.9 ON JUN 08	---	---	1968
1969	170 AT 10:28 MST ON JUN 29	139 R ON JUN 29	---	---	1969
1970	112 AT 07:10 MST ON JUN 14	92.0R ON JUN 14	---	---	1970
1971	116 AT 09:05 MST ON JUN 06	88.2R ON JUN 06	---	---	1971
1972	56.1 AT 04:15 MST ON JUN 01	49.8 ON JUN 01	---	---	1972
1973	47.0 AT 08:10 MST ON JUN 07	43.3R ON MAY 26	---	---	1973
1974	170 AT 10:28 MST ON JUN 29	66.0 ON JUN 17	---	---	1974
1975	53.5 AT 04:30 MST ON JUN 20	49.3 ON JUN 20	---	---	1975
1976	42.5 AT 06:00 MST ON AUG 06	36.0 ON AUG 06	---	---	1976
1977	17.1 AT 14:00 MST ON AUG 13	15.8 ON AUG 14	---	---	1977
1978	49.8 AT 02:30 MST ON JUN 06	44.5 ON JUN 06	1.70B ON MAR 04	257 000	1978
1979	38.4 AT 02:50 MST ON MAY 27	32.1 ON MAY 27	1.95B ON JAN 01	180 000	1979
1980	69.3 ON JUN 04	51.7A ON JUN 03	1.40B ON JAN 10	252 000	1980
1981	123 AT 04:30 MST ON MAY 26	98.2 ON MAY 26	1.61B ON FEB 06	334 000	1981
1982	30.7 AT 02:22 MST ON JUN 14	28.9 ON JUN 16	2.35B ON MAR 30	196 000	1982
1983	31.5 AT 01:47 MST ON APR 25	26.2 ON MAY 30	2.22B ON DEC 01	199 000	1983
1984	21.1 AT 03:09 MST ON JUN 12	19.4 ON JUN 12	1.88B ON JAN 19	154 000	1984
1985	79.7 AT 01:57 MST ON SEP 13	61.2 ON SEP 13	1.12B ON JAN 31 *	204 000	1985
1986	57.2 AT 01:49 MST ON MAY 28	48.9 ON MAY 28	2.50B ON FEB 19	265 000	1986
1987	26.5 AT 10:02 MST ON JUL 19	24.3 ON JUL 19	2.42B ON DEC 23	193 000	1987
1988	37.3 AT 05:12 MST ON JUN 08	28.9 ON JUN 08	1.79B ON JAN 31	181 000	1988
1989	23.1 AT 16:23 MST ON JUN 09	20.4 ON JUN 09	1.77B ON JAN 31	198 000	1989
1990	172 AT 03:11 MST ON MAY 26	129 ON MAY 26	2.24B ON MAR 22	316 000	1990
				225 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO. 05BJ011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	16.0	16.0	9.27	5.73	---	---	---	---	---	1979
MEAN	---	---	---	---	16.0	16.0	9.27	5.73	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 30 N, LONG 114 28 00 W
DRAINAGE AREA, 871 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO. 05BJ011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	40.8 AT 07:30 MST ON MAY 27 *	36.3 ON MAY 27 *	---	---	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO. 05BJ003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	7.96	7.23	3.42	---	1914
1915	3.10	2.92	3.95	4.01	30.8	---	---	16.9	14.1	12.3	8.10	5.24	---	1915
1916	2.39	2.88	3.69	7.81	---	---	---	---	---	13.3	8.93	6.05	---	1916
1917	5.09	4.42	4.51	5.98	27.8	41.6	19.7	9.27	7.99	6.13	5.34	3.77	11.8	1917
1918	3.28	2.76	4.38	5.06	9.09	18.4	11.0	10.2	8.25	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	6.04	4.72	3.80	---	1919
1920	3.23	3.05	3.02	5.19	25.1	22.4	30.2	9.84	5.96	4.90	4.21	3.12	10.1	1920
1921	2.83	2.92	2.83	5.25	20.8	18.8	10.6	7.50	5.00	4.84	4.00	2.74	7.37	1921
1922	2.58	2.27	2.45	4.56	17.0	17.1	10.8	7.33	5.22	4.21	3.52	2.15	6.62	1922
1923	2.14	1.83	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	3.08	2.88	3.55	5.41	21.8	23.7	16.5	10.2	7.75	7.46	5.76	3.79	8.97	MEAN

LOCATION - LAT 50 56 43 N LONG 114 34 36 W DRAINAGE AREA, 742 km² NATURAL FLOW

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO. 05BJ003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	1.70B ON FEB 01	---	1915
1916	---	---	1.27B ON FEB 02 *	---	1916
1917	---	65.4 ON JUN 02 *	2.10B ON DEC 12	373 000	1917
1918	---	30.3 ON JUN 10	1.98B ON FEB 20	---	1918
1919	---	---	---	---	1919
1920	---	54.1 ON JUL 12	1.95B ON DEC 22	318 000	1920
1921	---	36.0 ON MAY 27	1.27B ON DEC 25	232 000	1921
1922	---	27.0 ON JUN 04	1.30B ON DEC 13	209 000	1922
1923	---	---	---	---	1923
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		283 000	MEAN

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	6.37	14.8	15.1	8.27	6.29	4.82	3.85	---	---	8.49	1979
1980	---	---	---	---	12.6	28.8	8.26	8.47	8.22	6.94	---	---	---	1980
1981	---	---	---	3.16	31.2	25.2	22.8	14.4	7.40	6.10	---	---	17.2	1981
1982	---	---	---	---	7.02	23.4	11.9	6.16	6.56	6.74	---	---	---	1982
1983	---	---	---	6.62	15.4	15.9	13.2	5.97	4.70	4.17	---	---	9.43	1983
1984	---	---	---	4.31	5.20	15.1	---	---	---	5.66	---	---	---	1984
1985	---	---	---	4.83	8.92	11.8	5.96	8.61	16.2	8.42	---	---	9.22	1985
1986	---	---	---	4.14	16.7	22.5	13.6	8.63	8.60	11.6	---	---	12.3	1986
1987	---	---	---	5.60	---	8.00	13.1	10.7	---	4.75	---	---	---	1987
1988	---	---	---	---	---	12.6	5.90	10.1	6.53	6.40	---	---	---	1988
1989	---	---	---	6.20	10.3	15.4	9.24	6.95	9.40	5.86	---	---	9.03	1989
1990	---	---	---	4.86	25.1	35.3	17.1	13.5	7.52	6.19	---	---	15.7	1990
MEAN	---	---	---	5.12	14.7	19.9	11.8	9.07	8.00	6.39	---	---	11.6	MEAN

LOCATION - LAT 50 59 40 N LONG 114 10 00 W DRAINAGE AREA, 1 180 km² NATURAL FLOW

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	41.3 AT 12:30 MST ON MAY 27	36.0 ON MAY 27	3.69 ON OCT 07	157 000	1979
1980	59.7 AT 10:30 MST ON JUN 04	---	---	---	1980
1981	121 AT 14:00 MST ON MAY 26	101 ON MAY 26	2.73 ON APR 10 *	318 000	1981
1982	38.2 AT 21:20 MST ON JUN 15	---	---	---	1982
1983	42.8 AT 12:00 MST ON APR 25	30.4 ON APR 25	2.83E ON APR 01	174 000	1983
1984	21.9 AT 12:40 MST ON JUN 09	20.7 ON JUN 09	---	---	1984
1985	71.7 AT 13:00 MST ON SEP 13	63.2 ON SEP 13	3.64 ON APR 27	170 000	1985
1986	54.1 AT 12:50 MST ON MAY 29	49.7 ON MAY 29	3.64 ON APR 14	227 000	1986
1987	29.6 AT 22:52 MST ON JUL 19	27.4 ON JUL 20	4.40E ON OCT 28	---	1987
1988	35.1 AT 14:58 MST ON JUN 08	29.4 ON JUN 08	---	---	1988
1989	23.0 AT 00:08 MST ON JUN 10	22.4 ON JUN 10	3.92 ON APR 08	167 000	1989
1990	158 AT 16:05 MST ON MAY 26 *	128 ON MAY 26 *	3.67 ON APR 11	290 000	1990
	E -- ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		215 000	MEAN

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	64.2	19.8	9.42	7.95	6.93	---	---	---	1908
1909	---	---	---	---	27.4	39.0	26.3	12.2	7.23	6.55	---	---	---	1909
1910	---	---	---	2.86	8.73	13.2	7.99	8.14	11.9	8.26	5.82	3.37	---	1910
1911	1.76	2.72	3.99	6.67	11.5	25.9	17.9	27.9	19.8	10.4	6.01	2.82	11.5	1911
1912	3.01	3.41	3.66	7.44	13.1	26.6	45.0	15.9	11.4	9.12	4.44	3.33	12.2	1912
1913	2.62	3.56	3.03	11.5	15.2	19.7	13.5	15.8	10.06	8.32	6.32	3.91	9.31	1913
1914	3.25	3.10	3.20	7.21	11.2	19.6	12.8	7.21	5.63	9.52	4.92	3.42	7.61	1914
1915	3.58	2.97	4.44	6.18	34.0	60.3	54.7	25.9	18.5	15.8	8.48	5.26	20.1	1915
1916	3.04	4.68	7.61	12.8	18.6	79.7	38.3	29.4	28.5	14.6	9.95	5.08	21.0	1916
1917	5.03	4.89	4.99	8.47	36.5	54.8	18.6	9.86	7.08	5.97	5.27	3.36	13.8	1917
1918	3.49	3.06	5.76	6.18	10.1	19.6	9.58	9.26	7.15	5.48	4.80	3.95	7.38	1918
1919	3.06	2.65	3.16	6.61	14.0	12.0	6.81	16.1	6.07	4.69	3.84	3.42	6.90	1919
1920	3.25	3.21	3.27	7.72	23.4	22.6	29.8	8.00	4.65	3.97	3.94	2.73	9.76	1920
1921	2.97	2.59	2.92	6.69	19.9	18.7	10.1	7.19	5.03	4.76	3.05	2.33	7.21	1921
1922	2.51	2.25	2.41	6.39	16.4	16.4	9.27	5.77	4.22	3.64	3.12	1.65	6.18	1922
1923	1.72	1.45	2.53	3.98	8.76	91.7	35.1	16.7	8.45	6.10	4.96	3.87	15.4	1923
1924	2.73	3.31	3.37	7.40	14.3	26.6	17.7	25.1	8.28	6.57	4.86	3.40	10.3	1924
1925	3.50	3.22	4.77	10.1	13.8	27.5	11.5	11.1	9.91	13.2	6.61	4.72	10.0	1925
1926	3.85	3.63	3.82	7.71	6.67	22.3	14.5	14.30	37.5	19.4	7.50	5.25	11.4	1926
1927	4.04	3.47	4.19	8.48	17.2	42.5	25.1	20.6	27.7	17.6	8.31	4.14	15.3	1927
1928	6.24	5.01	10.7	8.86	13.4	50.9	25.1	11.0	8.15	6.48	4.82	3.49	15.8	1928
1929	2.13	2.15	3.80	7.24	20.9	55.7	9.99	5.86	5.29	4.92	4.03	2.45	10.4	1929
1930	2.10	3.85	3.40	9.52	13.0	21.4	13.3	6.83	5.88	5.46	4.24	3.54	7.71	1930
1931	2.89	3.01	3.25	4.92	6.15	11.2	6.37	4.33	4.17	3.33	2.10	1.59	4.42	1931
1932	2.21	1.83	2.13	4.13	14.2	56.2	11.4	8.30	9.04	6.04	---	---	---	1932
1933	---	---	---	12.-	21.8	16.1	---	---	---	3.40	3.64	3.08	---	1933
1934	3.16	3.23	3.27	3.56	8.20	12.3	7.16	3.89	3.25	3.28	3.17	3.15	4.81	1934
1935	2.19	2.58	2.64	2.60	9.78	13.7	6.97	7.27	3.46	2.96	2.87	2.94	5.01	1935
1936	3.06	1.80	2.39	3.10	5.36	10.2	3.57	4.85	3.29	2.50	1.89	1.62	3.38	1936
1937	1.72	2.08	2.83	3.84	7.71	17.6	12.7	7.26	5.14	6.55	5.18	3.48	5.77	1937
1938	3.01	3.14	3.20	3.16	21.7	41.6	20.5	7.84	5.42	4.56	3.98	3.08	8.46	1938
1939	2.94	3.10	3.24	3.33	3.93	31.8	9.84	4.94	3.87	5.68	5.23	3.26	6.74	1939
1940	2.96	3.07	3.18	8.07	13.8	8.97	5.65	4.85	12.9	6.43	4.07	3.30	6.43	1940
1941	3.28	3.34	3.46	3.60	3.46	10.1	5.51	2.73	8.29	5.86	3.56	3.30	4.70	1941
1942	2.58	2.51	1.80	3.26	30.7	39.2	28.2	20.0	17.4	11.5	4.96	3.93	13.9	1942
1943	3.30	4.16	3.94	10.2	8.46	18.9	16.0	6.89	3.70	3.81	3.18	3.53	7.85	1943
1944	3.64	1.86	2.33	3.70	3.15	12.0	8.69	8.51	5.32	3.83	3.54	3.40	5.01	1944
1945	1.93	2.15	2.43	2.68	18.7	41.1	20.7	9.52	8.63	9.68	5.09	4.06	10.6	1945
1946	3.56	3.37	3.98	5.46	10.7	22.1	12.3	8.15	15.1	4.92	4.91	3.98	8.21	1946
1947	3.75	3.69	4.75	9.73	27.1	26.8	14.1	10.1	11.2	8.95	6.77	4.63	11.0	1947
1948	3.68	3.76	3.85	12.7	43.6	34.8	17.6	15.7	5.64	4.67	3.96	3.05	12.8	1948
1949	2.25	3.27	2.80	4.33	8.17	8.72	5.45	3.82	3.02	3.70	3.70	2.14	4.28	1949
1950	1.30	2.20	2.05	3.57	9.26	19.1	14.9	9.59	4.77	3.92	2.60	2.46	6.33	1950
1951	2.12	1.10	2.11	4.09	26.5	44.5	40.0	25.1	35.8	17.1	10.8	4.81	17.9	1951
1952	3.75	4.14	4.15	21.8	18.7	31.5	24.8	15.6	10.4	6.90	5.80	3.76	12.8	1952
1953	2.63	3.92	3.65	7.47	24.6	61.5	24.5	9.68	6.17	4.96	3.98	3.80	13.2	1953
1954	3.03	3.71	2.58	3.25	24.7	27.8	19.0	17.7	13.2	11.2	4.84	5.51	11.4	1954
1955	3.60	3.53	3.61	7.59	24.9	23.0	20.7	8.19	3.80	3.67	3.12	3.31	9.13	1955
1956	3.69	3.39	2.78	4.20	12.5	16.3	17.8	7.05	5.66	3.71	3.72	2.81	6.93	1956
1957	1.38	3.50	3.02	3.57	17.2	17.8	8.01	4.36	4.40	4.09	4.51	4.06	6.32	1957
1958	2.57	2.79	2.56	11.5	20.8	21.2	29.4	11.2	6.48	4.50	4.28	3.66	10.1	1958
1959	1.58	2.20	3.09	4.16	9.34	22.8	11.0	5.26	6.03	4.85	4.66	3.95	6.58	1959
1960	1.49	2.38	4.09	5.19	10.9	15.9	9.47	5.70	3.10	2.68	2.44	1.75	5.43	1960
1961	1.66	1.96	2.22	3.04	16.5	14.9	9.08	9.15	5.26	8.52	5.55	3.11	6.78	1961
1962	2.09	3.16	2.50	7.68	9.82	16.1	5.76	5.44	7.49	2.46	1.78	1.04	5.45	1962
1963	0.511	0.898	0.324	1.09	4.46	26.2	24.4	5.65	3.63	3.17	2.92	1.83	6.20	1963
1964	1.94	1.70	1.63	3.36	15.7	32.7	9.72	4.29	2.41	5.02	3.03	1.19	6.89	1964
1965	2.54	1.68	2.25	9.58	6.31	31.5	25.8	15.9	15.8	12.4	5.55	4.71	11.2	1965
1966	2.40	3.08	3.56	4.57	14.7	18.7	10.6	5.80	4.92	2.81	2.91	2.67	6.36	1966
1967	0.659	1.51	1.67	5.35	21.2	55.3	10.2	3.99	1.27	1.66	2.78	1.04	8.00	1967
1968	1.40	1.29	2.34	1.06	4.26	20.4	9.68	8.43	6.45	8.46	3.02	1.99	5.99	1968
1969	1.45	1.72	0.717	11.4	21.4	32.7	29.9	4.50	1.93	2.35	2.33	2.29	9.42	1969
1970	0.940	1.41	0.862	2.59	12.7	26.1	8.12	1.57	0.699	2.14	1.49	0.854	4.96	1970
1971	1.11	0.639	0.463	7.68	12.2	25.3	3.80	1.21	0.772	3.03	2.43	1.10	4.80	1971
1972	0.595	0.595	3.80	2.38	12.1	24.4	11.9	6.12	4.42	2.96	2.08	0.744	6.02	1972
1973	1.01	0.850	1.11	6.25	13.7	20.7	5.91	1.89	4.15	2.30	0.935	0.881	4.98	1973
1974	0.841	0.788	0.733	2.08	22.8	30.6	7.10	6.13	4.98	2.86	1.34	0.906	6.78	1974
1975	0.595	0.425	0.425	0.882	5.99	17.3	7.51	2.77	0.976	1.05	1.41	0.705	3.34	1975
1976	0.834	0.548	0.510	0.510	6.87	8.43	4.75	13.3	5.47	2.19	1.31	0.568	3.79	1976
1977	0.425	0.425	0.492	0.947	2.82	4.34	2.30	2.65	4.17	2.74	1.37	1.13	1.99	1977
1978	0.967	0.967	0.993	2.35	12.8	21.0	10.3	8.64	4.92	3.24	1.96	1.85	5.86	1978
1979	1.11	1.15	1.31	2.38	13.6	9.27	3.76	1.57	1.56	2.12	1.53	1.09	3.39	1979
1980	0.943	0.932	1.03	1.66	10.1	24.0	4.13	4.52	4.65	3.48	2.16	1.12	4.88	1980
1981	1.20	1.13	1.11	1.10	28.5	30.1	18.7	9.75	3.41	2.48	1.70	2.58	8.54	1981
1982	---	---	---	---	2.69	21.8	7.15	1.26	1.42	1.97	1.32	1.51	---	1982
1983	1.26	1.13	1.11	1.23	11.0	10.2	9.57	1.60	1.47	1.27	1.27	1.14	3.54	1983
1984	1.18	0.778	1.19	1.33	1.29	9.02	3.61	1.37	1.49	1.68	1.59	1.56	2.17	1984
1985	1.26	1.40	1.22	1.25	2.18	7.43	1.32	3.76	13.0	5.51	2.93	1.33	3.54	1985
1986	1.23	1.22	1.22	2.47	14.5	15.7	7.80	3.75	5.76	9.30	4.68	1.67	5.80	1986
1987	1.37	1.37	1.33	1.97	4.19	2.53	9.42	6.82	1.71	2.67	2.15	1.43	3.12	1987
1988	1.26	1.25	1.25	1.27	1.88	8.91	3.44	5.57	3.86	3.19	2.89	1.24	2.91	1988
1989	0.840	0.562	0.580	1.95	8.14	12.2	4.52	3.48	6.56	1.75	2.97	1.84	3.78	1989

CONTINUED

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001 (CONTINUED)

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1990	1.29	1.38	1.26	3.65	24.9	32.3	15.4	9.10	3.20	4.51	3.93	2.38	8.65	1990
MEAN	2.28	2.39	2.72	5.54	14.3	25.9	14.5	8.87	7.59	5.66	3.88	2.75	7.99	MEAN

LOCATION - LAT 51 00 55 N DRAINAGE AREA, 1 230 km²
LONG 114 05 33 W REGULATED SINCE 1932

ELBOW RIVER BELOW GLENMORE DAM - STATION NO. 05BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	159 ON JUN 02	---	---	1908
1909	---	94.0 ON JUN 03	---	---	1909
1910	---	18.6 ON SEP 19	---	---	1910
1911	---	89.5 ON AUG 08	0.878B ON DEC 26	362 000	1911
1912	---	122 ON JUN 16	0.963 ON JAN 04	387 000	1912
1913	---	38.8 ON AUG 10	1.76 ON MAR 23	293 000	1913
1914	---	28.9 ON JUN 18	2.12 B ON JAN 24	240 000	1914
1915	---	239 A ON JUN 26	1.84 B ON DEC 31	634 000	1915
1916	---	146 ON JUN 29	1.87 B ON JAN 01	663 000	1916
1917	---	147 ON JUN 03	2.32 B ON DEC 12	434 000	1917
1918	---	35.4 ON JUN 10	2.24 B ON MAR 06	233 000	1918
1919	---	72.5 ON AUG 06	2.10 B ON MAR 01	218 000	1919
1920	---	67.7 ON JUL 13	1.27 B ON DEC 23	309 000	1920
1921	---	37.4 ON MAY 25	0.793B ON DEC 28	227 000	1921
1922	---	26.5 ON MAY 17	0.510B ON DEC 15	195 000	1922
1923	---	331 ON JUN 01	1.08 B ON JAN 18	486 000	1923
1924	---	59.5 ON AUG 04	1.19 B ON DEC 18	326 000	1924
1925	---	66.5 ON JUN 12	2.46 B ON JAN 02	315 000	1925
1926	---	88.1 ON SEP 11	3.09 B ON DEC 16	359 000	1926
1927	---	83.3 ON JUN 10	2.55 B ON DEC 31	482 000	1927
1928	---	100 ON JUN 19	1.98 B ON DEC 04	406 000	1928
1929	---	382 ON JUN 03 *	1.00 B ON FEB 02	327 000	1929
1930	---	30.6 ON MAY 31	1.78 B ON JAN 17	243 000	1930
1931	---	22.9 ON APR 08	1.33 B ON DEC 19	139 000	1931
1932	---	311 ON JUN 03	1.09 B ON FEB 23	---	1932
1933	---	---	---	---	1933
1934	---	32.0 ON JUN 05	2.80 ON JUL 24	152 000	1934
1935	---	32.8 ON JUN 16	1.56 ON JAN 06	158 000	1935
1936	---	35.7 ON JUN 08	0.481 ON JUL 27	107 000	1936
1937	---	54.9 ON JUN 14	0.595 ON MAY 19	182 000	1937
1938	---	59.5 ON MAY 24	2.21 ON APR 21	267 000	1938
1939	---	104 ON JUN 17	1.76 ON SEP 08	213 000	1939
1940	---	40.5 ON APR 30	2.61 ON JAN 08	203 000	1940
1941	---	27.0 ON JUN 04	0.396 ON MAY 25	148 000	1941
1942	---	128 ON MAY 12	1.64 ON JAN 15	439 000	1942
1943	---	34.8 ON APR 25	2.92 ON NOV 22	247 000	1943
1944	---	26.5 ON JUN 14	1.73 ON FEB 06	158 000	1944
1945	---	67.7 ON MAY 26	1.81 ON MAR 14	334 000	1945
1946	---	54.1 ON SEP 29	1.87 ON FEB 14	259 000	1946
1947	---	79.3 ON MAY 11	3.48 ON JAN 26	347 000	1947
1948	---	154 ON MAY 24	1.93 ON DEC 24	404 000	1948
1949	---	22.6 ON MAY 22	0.538 ON AUG 21	135 000	1949
1950	---	33.1 ON JUN 16	0.680 ON NOV 22	200 000	1950
1951	---	152 ON AUG 31	0.765 ON JAN 27	564 000	1951
1952	---	80.4 ON APR 07	2.38 ON APR 02	404 000	1952
1953	---	124 ON JUN 04	1.90 ON JAN 19	417 000	1953
1954	---	59.7 ON MAY 22	0.878 ON OCT 05	360 000	1954
1955	---	46.7 ON MAY 20	1.64 ON SEP 05	288 000	1955
1956	---	37.1 ON JUL 05	0.708 ON OCT 21	219 000	1956
1957	---	38.5 ON JUN 10	0.340 ON APR 11	199 000	1957
1958	---	55.2 ON JUL 14	1.90 ON JAN 19	319 000	1958
1959	---	56.1 ON JUN 27	0.680 ON JAN 06	207 000	1959
1960	---	30.3 ON MAY 18	0.425 ON JAN 19	172 000	1960
1961	---	53.2 ON MAY 29	0.425 ON DEC 21	214 000	1961
1962	---	30.9 ON JUN 18	0.368 ON DEC 31	172 000	1962
1963	---	99.1 ON JUN 30	0.283 ON FEB 26 *	195 000	1963
1964	---	70.2 ON JUN 09	0.538 ON JAN 14	218 000	1964
1965	---	99.7 ON JUN 19	0.623 ON JAN 16	353 000	1965
1966	---	37.9 ON JUL 03	0.425 ON FEB 25	201 000	1966
1967	---	146 ON JUN 01	0.623 ON JAN 01	252 000	1967
1968	---	44.2 ON JUN 11	0.311 ON FEB 23	189 000	1968
1969	---	133 ON JUN 29	0.651 ON FEB 20	297 000	1969
1970	---	105 ON JUN 14	0.510 ON MAR 13	156 000	1970
1971	---	77.9 ON JUN 07	0.425 ON MAR 08	151 000	1971
1972	---	41.1 ON JUN 11	0.566 ON NOV 25	190 000	1972
1973	---	36.2 ON MAY 28	0.708 ON OCT 24	157 000	1973
1974	---	61.7 ON JUN 17	0.651 ON JAN 19	214 000	1974
1975	60.9 AT 14:30 MST ON JUN 20	43.3 ON JUN 20	0.425 ON JAN 14	105 000	1975
1976	42.5 AT 07:30 MST ON AUG 06	37.7 ON AUG 06	0.425 ON DEC 13	120 000	1976
1977	13.7 AT 07:00 MST ON MAY 28	13.6E ON AUG 23	0.348 ON AUG 11	62 700	1977
1978	47.0 AT 08:00 MST ON JUN 06	41.9 ON JUN 06	0.855B ON MAR 06	185 000	1978
1979	31.9 AT 23:00 MST ON MAY 25	30.8 ON MAY 27	0.962B ON DEC 20	107 000	1979
1980	101 AT 21:30 MST ON MAY 26	65.3 ON JUN 03	0.758B ON DEC 14	154 000	1980
1981	95.8 AT 20:00 MST ON MAY 26	93.0 ON MAY 27	0.569 ON MAY 09	269 000	1981
1982	41.9 AT 13:37 MST ON JUN 16	37.1 ON JUN 16	---	---	1982
1983	23.4 AT 10:53 MST ON MAY 27	22.9 ON MAY 28	1.04 ON FEB 18	112 000	1983
1984	20.1 AT 17:51 MST ON JUN 09	19.7 ON JUN 10	0.516 ON FEB 23	68 600	1984
1985	97.6 AT 23:36 MST ON SEP 12	72.8 ON SEP 13	0.792B ON NOV 28	112 000	1985
1986	62.7 AT 17:16 MST ON MAY 28	59.2 ON MAY 29	0.698B ON NOV 30	183 000	1986
1987	27.5 AT 15:41 MST ON JUL 23	27.2 ON JUL 20	1.22 ON DEC 19	90 400	1987
1988	36.8 AT 19:09 MST ON JUN 08	34.6 ON JUN 08	1.08 B ON DEC 29	92 200	1988
1989	23.3 AT 02:04 MST ON JUN 09	20.3 ON JUN 07	0.420B ON MAR 09	119 000	1989
1990	131 AT 19:28 MST ON MAY 26 *	126 ON MAY 26	0.690 ON MAR 10	273 000	1990
				252 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELDER CREEK AT HIGHWAY NO. 686 - STATION NO. 07HB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.004	0.697	0.264	0.023	0.004	0.001	0.011	0.081	---	---	0.134	1985
1986	---	---	0.029	0.187	0.116	0.150	0.204	0.030	0.003	0.005	---	---	0.090	1986
1987	---	---	0	0.180	0.009	0.055	0.003	0.045	0.002	0.002	---	---	0.037	1987
1988	---	---	0.004	0.074	0.148	0.397	0.696	0.023	0.003	0.005	---	---	0.169	1988
1989	---	---	0.001	0.153	0.135	0.053	0.011	0.453	0.307	0.319	---	---	0.179	1989
1990	---	---	0.006	0.608	0.424	0.533	0.146	0.001	0	0.002	---	---	0.213	1990
MEAN	---	---	0.007	0.317	0.183	0.202	0.177	0.092	0.054	0.069	---	---	0.137	MEAN

LOCATION - LAT 56 27 50 N, LONG 116 49 49 W DRAINAGE AREA, 63.7 km² NATURAL FLOW

ELDER CREEK AT HIGHWAY NO. 686 - STATION NO. 07HB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	2.21 AT 17:00 MST ON APR 14	1.74 B ON APR 14	0 B ON MAR 01 *	2 840	1985
1986	1.34 AT 06:00 MST ON JUL 13	0.906 ON JUN 22	0.002 ON SEP 17	1 910	1986
1987	0.831B AT 15:00 MST ON APR 08	0.620B ON APR 08	0 B ON MAR 01	773	1987
1988	2.50 AT 03:30 MST ON MAY 20	1.73 ON JUN 10	0 ON SEP 12	3 580	1988
1989	3.74 AT 21:00 MST ON AUG 23	2.59 ON AUG 24	0 B ON MAR 03	3 790	1989
1990	4.20 AT 20:00 MST ON JUN 12 *	3.61 ON JUN 12 *	0 B ON MAR 01	4 510	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 900	MEAN

ELLS RIVER BELOW GARDINER LAKES - STATION NO. 07DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	25.5	12.9	17.3	9.21	5.19	4.05	---	1975
1976	2.47	1.68	1.39	8.98	8.11	3.32	3.31	3.79	2.60	2.50	1.87	1.45	3.46	1976
1977	0.855	0.457	0.212	2.41	4.80	4.77	7.02	7.13	4.07	4.10	3.31	2.01	3.44	1977
1978	1.36	0.913	0.996	2.43	16.2	11.6	7.31	3.37	9.41	13.1	6.50	3.84	6.45	1978
1979	1.63	0.884	1.03	---	---	---	---	---	---	---	---	---	---	1979
MEAN	1.58	0.984	0.907	4.27	9.70	6.56	11.0	6.80	8.35	7.23	4.22	2.84	4.45	MEAN

LOCATION - LAT 57 22 30 N, LONG 112 33 40 W DRAINAGE AREA, 1 380 km² NATURAL FLOW

ELLS RIVER BELOW GARDINER LAKES - STATION NO. 07DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	16.1 B ON APR 17	1.10 B ON DEC 31	109 000	1976
1977	9.32 AT 04:57 MST ON JUL 06	9.23 ON JUL 06	0.198B ON MAR 15 *	108 000	1977
1978	21.6 AT 22:50 MST ON MAY 16 *	21.0 ON MAY 17 *	0.906B ON FEB 06	204 000	1978
1979	---	---	---	---	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		140 000	MEAN

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	17.9	26.9	13.3	5.45	3.93	---	1975
1976	2.25	1.43	1.51	21.5	11.2	5.10	4.39	4.99	4.10	3.80	1.95	1.37	5.29	1976
1977	0.653	0.694	0.544	4.19	5.83	5.90	10.6	6.23	5.06	4.72	2.99	2.16	4.31	1977
1978	1.44	1.12	0.875	7.84	27.9	14.9	8.43	4.31	24.4	20.7	6.81	4.51	10.3	1978
1979	2.22	1.70	1.63	4.70	41.3	24.8	6.17	3.34	5.03	5.18	3.26	2.05	8.49	1979
1980	1.35	0.985	0.984	4.95	3.14	2.28	1.71	8.36	7.75	6.55	3.05	1.34	3.54	1980
1981	1.16	0.917	1.22	3.15	17.2	7.35	5.47	2.89	0.623	0.570	0.500	0.438	3.48	1981
1982	0.261	0.084	0.036	6.69	30.3	12.3	3.42	2.69	1.73	1.35	1.15	0.680	5.09	1982
1983	0.716	0.679	0.693	10.1	15.0	6.96	6.92	8.93	5.01	3.92	1.00	1.39	5.30	1983
1984	1.20	1.28	1.44	6.68	7.58	47.0	21.4	10.7	10.4	8.98	6.25	3.73	10.5	1984
1985	1.15	0.744	0.653	10.0	76.7	13.1	3.73	1.79	1.36	1.79	1.32	1.09	9.56	1985
1986	0.987	0.447	0.413	5.41	42.2	24.5	15.2	14.7	6.07	4.39	1.80	2.17	9.94	1986
MEAN	1.22	0.916	0.918	7.75	25.3	14.9	7.95	7.40	8.20	6.27	3.13	2.07	6.89	MEAN

LOCATION - LAT 57 16 04 N, LONG 111 42 51 W DRAINAGE AREA, 2 450 km² NATURAL FLOW

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	49.8B ON APR 14	0.906B ON DEC 31	167 000	1976
1977	14.8 AT 07:16 MST ON JUL 07	14.5 ON JUL 07	0.196B ON MAR 26	136 000	1977
1978	52.7B AT 07:48 MST ON APR 29	45.6 ON SEP 25	0.850B ON MAR 15	325 000	1978
1979	61.1 AT 05:45 MST ON MAY 11	56.8 ON MAY 13	1.60 B ON FEB 21	268 000	1979
1980	11.2 AT 00:15 MST ON AUG 18	11.0B ON APR 19	0.980B ON FEB 16	112 000	1980
1981	---	21.5E ON MAY 04	0.360B ON DEC 31	110 000	1981
1982	54.0B AT 05:38 MST ON APR 30	45.0B ON APR 29	0.036B ON MAR 10 *	161 000	1982
1983	---	41.6 ON APR 24	0.652B ON JAN 01	167 000	1983
1984	116 AT 19:39 MST ON JUN 03	102 R ON JUN 03	1.20 B ON JAN 01	333 000	1984
1985	267 AT 18:15 MST ON MAY 06 *	237 ON MAY 06 *	0.630B ON MAR 16	301 000	1985
1986	77.2 AT 21:28 MST ON MAY 24	73.9 ON MAY 25	0.300B ON FEB 20	313 000	1986
				218 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

ELTON DITCH BELOW TODD CREEK - STATION NO. 05AA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	0.026	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	0.010	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	0.035	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	---	0.026	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 40 00 N
LONG 114 08 00 W
REGULATED

ELTON DITCH BELOW TODD CREEK - STATION NO. 05AA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	0 ON JUN 01 *	---	1915
1916	---	---	---	---	1916
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EMBARRAS RIVER AT ROBB - STATION NO. 07AF909

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	1.27	1.53	0.491	0.313	1.15	1.15	---	---	0.978	1984
1985	---	---	---	---	0.802	1.14	0.722	1.96	2.62	1.08	---	---	1.38	1985
1986	---	---	---	---	2.13	1.32	5.78	1.30	1.46	1.88	---	---	2.32	1986
1987	---	---	---	---	0.667	0.404	0.720	4.68	0.850	0.538	---	---	1.32	1987
1988	---	---	---	---	0.520	1.59	0.542	0.593	0.451	0.351	---	---	0.671	1988
MEAN	---	---	---	---	1.08	1.20	1.65	1.77	1.31	1.00	---	---	1.33	MEAN

LOCATION - LAT 53 13 19 N
LONG 116 58 04 W
DRAINAGE AREA, 123 km^2
NATURAL FLOW

EMBARRAS RIVER AT ROBB - STATION NO. 07AF909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	5.66 AT 21:49 MST ON MAY 16	3.98 ON MAY 17	0.238 ON AUG 21 *	15 600	1984
1985	12.7 AT 09:41 MST ON SEP 13	11.4 ON SEP 13	---	22 000	1985
1986	46.4 AT 23:35 MST ON JUL 17	30.9 ON JUL 18 *	0.599 ON AUG 31	36 900	1986
1987	55.9 AT 23:49 MST ON AUG 01 *	27.7 ON AUG 02	0.270 ON JUN 15	21 000	1987
1988	8.61 AT 09:04 MST ON JUN 09	6.41 ON JUN 09	0.260B ON OCT 31	10 700	1988
				21 200	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EMBARRAS RIVER BELOW DIVERGENCE - STATION NO. 07DD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	117	56.5	118	35.8	10.0	---	---	---	1987
1988	---	---	---	---	---	161	259	71.3	48.2	21.1	30.6	---	---	1988
1989	---	---	---	---	---	216	289	289	130	---	---	---	---	1989
1990	---	---	---	---	247	351	---	81.8	44.7	---	---	---	---	1990
MEAN	---	---	---	---	247	211	202	140	64.7	15.6	30.6	---	---	MEAN

LOCATION - LAT 58 25 20 N
LONG 111 33 05 W
NATURAL FLOW

EMBARRAS RIVER BELOW DIVERGENCE - STATION NO. 07DD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	353 ON AUG 09	---	---	1987
1988	---	433 ON JUL 13	---	---	1988
1989	---	475 ON AUG 10 *	---	---	1989
1990	---	---	---	---	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

EMBARRAS RIVER BREAKTHROUGH TO MAMAWI LAKE - STATION NO. 07KF015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	65.1R	34.8R	65.0R	23.6R	8.49R	---	---	---	1987
1988	---	---	---	---	---	87.1	134	42.3	31.7	16.3	21.4	---	---	1988
1989	---	---	---	---	---	109	142	137	75.0	---	---	---	---	1989
1990	---	---	---	---	---	204	---	56.3	35.6	---	---	---	---	1990
MEAN	---	---	---	---	---	116 R	104 R	75.2R	41.5R	12.4 R	21.4	---	---	MEAN

LOCATION - LAT 58 29 48 N
LONG 111 26 40 W NATURAL FLOW

R - REVISED SINCE JAN 01 1989

EMBARRAS RIVER BREAKTHROUGH TO MAMAWI LAKE - STATION NO. 07KF015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	158RE ON AUG 09	---	---	1987
1988	---	220E ON JUL 13 *	---	---	1988
1989	---	199A ON AUG 10	---	---	1989
1990	---	---	---	---	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED R - REVISED SINCE JAN 01 1989

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.982	6.99	4.80	---	---	---	1984
1985	---	---	0.826	2.83	2.56	4.04	2.19	5.15	8.24	4.16	---	---	3.73	1985
1986	---	---	1.40	3.51	7.47	3.93	19.3	4.73	6.12	7.50	---	---	6.78	1986
1987	---	---	0.858	1.67	2.66	1.42	1.73	16.9	3.03	1.98	---	---	3.79	1987
1988	---	---	0.700	2.38	1.53	5.31	1.85	1.56	1.24	1.13	---	---	1.95	1988
1989	---	---	0.396	1.59	3.75	3.37	8.51	11.2	6.79	3.33	---	---	4.87	1989
1990	---	---	1.08	4.71	10.8	16.7	11.8	3.52	2.86	2.22	---	---	6.69	1990
MEAN	---	---	0.877	2.78	4.79	5.80	7.56	6.29	5.04	3.59	---	---	4.64	MEAN

LOCATION - LAT 53 22 31 N
LONG 116 48 20 W DRAINAGE AREA, 647 km^2
NATURAL FLOW

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	20.1 AT 06:50 MST ON SEP 22	19.5 ON SEP 22	---	---	1984
1985	35.4 AT 19:15 MST ON SEP 13	28.0 ON SEP 14	0.500B ON MAR 02	79 000	1985
1986	118 AT 10:39 MST ON JUL 18	106 ON JUL 18	0.774B ON MAR 05	144 000	1986
1987	145 AT 12:45 MST ON AUG 02 *	113 ON AUG 02 *	0.682B ON MAR 28	80 300	1987
1988	22.7 AT 20:37 MST ON JUN 09	19.2 ON JUN 12	0.521B ON MAR 17	41 300	1988
1989	36.4 AT 12:53 MST ON AUG 17	31.7 ON AUG 17	0.360B ON MAR 16 *	103 000	1989
1990	71.3 AT 17:47 MST ON JUN 13	59.9 ON JUN 13	0.777B ON MAR 24	142 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		98 300	MEAN

ENGLISH DITCH NEAR THELMA - STATION NO. 11AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 32 30 N
LONG 110 17 30 W REGULATED

ENGLISH DITCH NEAR THELMA - STATION NO. 11AB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
				---	MEAN

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	1920
MEAN	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 21 42 N LONG 110 52 10 W DRAINAGE AREA, 362 km^2 REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	1.02 ON MAY 02 *	0B ON MAR 01 *	---	1920
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF907

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	5.74	4.35	0.962	0.713	5.62	3.78	---	---	3.51	1984
1985	---	---	---	---	4.26	4.54	1.96	5.96	8.45	3.56	---	---	4.77	1985
1986	---	---	---	---	11.9	4.53	39.3	4.18	6.53	7.88	---	---	12.5	1986
1987	---	---	---	3.37	3.42	1.71	2.98	11.6	2.17	1.30	---	---	1.88	1987
1988	---	---	---	---	2.27	6.50	2.09	1.79	1.27	1.01	---	---	2.47	1988
1989	---	---	---	---	4.89	5.05	---	20.1	9.11	3.14	---	---	---	1989
1990	---	---	---	---	16.3	19.1	16.3	2.39	2.13	1.83	---	---	9.67	1990
MEAN	---	---	---	3.37	6.97	6.54	10.6	6.68	5.04	3.21	---	---	6.13	MEAN

LOCATION - LAT 53 14 00 N LONG 116 33 55 W DRAINAGE AREA, 595 km^2 NATURAL FLOW

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF907

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	35.5E AT 03:30 MST ON MAY 17	30.0A ON MAY 17	0.625A ON AUG 10 *	55 800	1984
1985	38.9 AT 10:55 MST ON SEP 13	32.7 ON SEP 13	---	75 800	1985
1986	337 E AT 07:00 MST ON JUL 18 *	313 E ON JUL 18 *	1.97 ON SEP 01	198 000	1986
1987	84.7 AT 05:27 MST ON AUG 02	62.2 ON AUG 02	0.926 ON JUL 03	61 800	1987
1988	32.6 AT 16:30 MST ON JUN 09	23.9 ON JUN 09	0.638 ON SEP 07	39 300	1988
1989	---	---	2.04 B ON OCT 31	---	1989
1990	123 AT 05:02 MST ON JUL 07	94.5 ON JUL 07	1.32 ON OCT 03	154 000	1990
				97 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.147	0.001	0.015	0.090	0.128	0.108	0.136	---	---	0.092	1915
1916	---	---	---	0.557	0.101	0.451	0.404	0.313	1.31	0.866	---	---	0.569	1916
MEAN	---	---	---	0.352	0.051	0.233	0.247	0.221	0.709	0.511	---	---	0.331	MEAN

LOCATION - LAT 49 2: 42 N LONG 111 52 10 W DRAINAGE AREA, 2 580 km^2 REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	1.19 ON APR 04	0 ON APR 01 *	1 710	1915
1916	---	2.07 ON SEP 16 *	0.037 ON MAY 24	10 500	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 110	MEAN

ETZIKOM COULEE NEAR NEMISCAM - STATION NO. 05AF027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.838	0.346	0.023	0.005	---	---	---	---	---	---	---	1936
MEAN	---	---	0.838	0.346	0.023	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 26 30 N LONG 111 15 37 W DRAINAGE AREA, 3 040 km² REGULATED

ETZIKOM COULEE NEAR NEMISCAM - STATION NO. 05AF027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	1.70B ON MAR 09 *	0 ON MAY 14 *	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ETZIKOM COULEE NEAR NEMISKAM - STATION NO. 05AF905

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.050	0.001	0.195	0.545	---	---	---	1982
1983	---	---	---	0.211	0.089	0.008	0.003	0	0	0.036	---	---	0.049	1983
1984	---	---	---	0.098	0.027	0	0	0	0	0	---	---	0.018	1984
1985	---	---	---	0.108	0.005	0.052	0	0	0	0.161	---	---	0.047	1985
1986	---	---	---	0.295	0.234	0.094	0	0.213	0.515	0.983	---	---	0.334	1986
1987	---	---	---	0.089	0.002	0	0.059	0.168	0.091	0.437	---	---	0.122	1987
1988	---	---	---	0.057	0.012	0.014	0.024	0.002	0.019	0.075	---	---	0.029	1988
1989	---	---	---	---	---	---	0.640	0.441	1.08	0.424	---	---	---	1989
1990	---	---	---	0.498	0.333	0.331	0.080	---	---	---	---	---	---	1990
MEAN	---	---	---	0.194	0.100	0.071	0.095	0.103	0.238	0.333	---	---	0.100	MEAN

LOCATION - LAT 49 26 40 N LONG 111 16 00 W DRAINAGE AREA, 3 040 km² REGULATED

ETZIKOM COULEE NEAR NEMISKAM - STATION NO. 05AF905

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	0 ON AUG 12 *	---	1982
1983	---	0.386 ON APR 25	0R ON JUL 23	910	1983
1984	---	0.207 ON APR 07	0 ON JUN 01	326	1984
1985	---	0.485 ON JUN 08	0 ON MAY 09	862	1985
1986	---	1.85 ON SEP 29 *	0 ON JUN 25	6 170	1986
1987	0.790 AT 19:55 MST ON OCT 25 *	0.643 ON AUG 16	0 ON MAY 08	2 250	1987
1988	0.779 AT 14:43 MST ON MAY 27	0.268 ON APR 04	0 ON APR 30	538	1988
1989	---	---	---	---	1989
1990	---	---	---	---	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 840	MEAN
		R - REVISED SINCE JAN 01 1989			

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.016	0.006	0.008	0.087	0.092	0.010	---	---	---	1914
1915	---	---	---	0.469	0.245	0.708	0.744	0.424	---	---	---	---	---	1915
1916	---	---	---	0.152	0.385	0.763	0.786	0.496	1.48	0.472	---	---	0.646	1916
1917	---	---	---	3.36	0.949	0.666	0.060	0.155	0.129	0.001	---	---	0.752	1917
MEAN	---	---	---	1.33	0.399	0.536	0.400	0.291	0.567	0.161	---	---	0.699	MEAN

LOCATION - LAT 49 32 00 N LONG 112 30 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1915

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 01 *	---	1914
1915	---	1.99 ON JUN 27	---	---	1915
1916	---	5.92 ON SEP 06	0.040 ON APR 19	11 900	1916
1917	---	7.76B ON APR 07 *	0 ON JUL 24	13 900	1917
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 900	MEAN

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.049	0.045	0.033	---	---	1967
1968	---	---	---	---	---	0.171	0.254	0.209	0.113	0.081	0.055	---	---	1968
1969	---	---	---	---	0.187	0.174	0.445	0.448	0.120	0.088	---	---	---	1969
1970	---	---	---	---	0.249	0.311	0.110	0.061	0.041	0.036	---	---	---	1970
1971	---	---	---	0.042	0.292	0.637	0.346	0.104	0.096	0.116	---	---	0.233	1971
1972	---	---	---	---	0.449	0.537	0.224	0.087	0.103	0.171	---	---	---	1972
1973	---	---	---	0.027	0.732	0.306	0.162	0.095	0.075	0.082	---	---	0.212	1973
1974	---	---	---	0.118	0.528	0.247	0.144	0.080	0.068	0.062	---	---	0.179	1974
1975	---	---	---	0.011	0.193	0.162	0.115	0.062	0.046	0.036	---	---	0.089	1975
1976	---	---	---	0.048	0.223	0.212	0.105	0.135	0.073	0.062	---	---	0.123	1976
1977	---	---	---	0.046	0.665	0.470	0.372	0.233	0.294	0.155	---	---	0.320	1977
1978	---	---	---	0.112	0.423	0.385	0.336	0.163	0.255	0.107	---	---	0.255	1978
1979	---	---	---	0.025	0.244	0.203	0.123	0.075	0.053	0.045	---	---	0.110	1979
1980	---	---	---	0.131	0.261	1.32	0.490	0.199	0.259	0.151	---	---	0.398	1980
1981	---	---	---	0.043	0.198	0.237	0.264	0.194	0.091	0.072	---	---	0.157	1981
1982	---	---	---	0.042	0.225	0.236	0.708	0.298	0.188	0.251	---	---	0.280	1982
1983	---	---	---	0.090	0.240	0.228	0.174	0.065	0.053	0.053	---	---	0.129	1983
1984	---	---	---	0.076	0.144	0.239	0.075	0.050	0.069	0.153	---	---	0.115	1984
1985	---	---	---	0.090	0.096	0.163	0.098	0.249	0.293	0.153	---	---	0.163	1985
1986	---	---	---	0.064	0.239	0.165	0.841	0.248	0.205	0.365	---	---	0.306	1986
1987	---	---	---	0.029	0.070	0.078	0.096	0.517	0.125	0.076	---	---	0.142	1987
1988	---	---	---	0.094	0.082	0.202	0.070	0.060	0.046	0.048	---	---	0.086	1988
1989	---	---	---	0.048	0.259	0.224	0.483	0.444	0.307	0.147	---	---	0.274	1989
1990	---	---	---	0.132	0.566	0.758	0.416	0.157	0.126	0.081	---	---	0.319	1990
MEAN	---	---	---	0.067	0.298	0.333	0.280	0.184	0.131	0.110	0.044	---	0.205	MEAN

LOCATION - LAT 53 09 10 N
LONG 117 13 55 W
DRAINAGE AREA, 17.1 km^2
NATURAL FLOW

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	1.04 AT 16:30 MST ON JUL 20	0.773 ON JUL 22	---	---	1968
1969	8.21 AT 17:47 MST ON AUG 05	2.86 ON AUG 05	---	---	1969
1970	2.59 AT 06:00 MST ON JUN 16	1.66 ON JUN 16	---	---	1970
1971	2.78 AT 23:30 MST ON JUN 08	2.25 ON JUN 09	0.003B ON APR 11	4 310	1971
1972	2.83 AT 14:30 MST ON JUN 25	2.17 ON JUN 25	---	---	1972
1973	2.70 AT 19:30 MST ON MAY 16	2.05 ON MAY 16	0.014B ON APR 01	3 930	1973
1974	1.06 AT 20:30 MST ON MAY 06	0.835 ON MAY 07	0.024B ON APR 01	3 300	1974
1975	1.03 AT 19:20 MST ON MAY 08	0.490 ON MAY 09	0.006B ON APR 01	1 650	1975
1976	0.623 AT 18:20 MST ON JUN 16	0.541 ON JUN 16	0.006B ON APR 01	2 270	1976
1977	2.92 AT 17:30 MST ON MAY 29	1.94 ON MAY 29	0.031B ON APR 01	5 920	1977
1978	2.75 AT 06:20 MST ON MAY 16	2.03 ON MAY 16	0.010B ON APR 01	4 710	1978
1979	1.34 AT 09:10 MST ON JUN 20	0.760 ON JUN 20	0.004B ON APR 01	2 040	1979
1980	9.04 AT 16:10 MST ON JUN 04 *	7.00 ON JUN 04 *	0.015B ON APR 01	7 370	1980
1981	0.868 AT 07:10 MST ON JUL 30	0.755 ON JUL 30	0.010B ON APR 01	2 910	1981
1982	3.99 AT 21:45 MST ON JUL 04	3.03 ON JUL 05	0.002B ON APR 01 *	5 170	1982
1983	0.890 AT 09:30 MST ON JUN 24	0.706 ON JUN 24	0.030 ON APR 09	2 390	1983
1984	0.891 AT 20:10 MST ON JUN 08	0.738 ON JUN 08	0.026B ON APR 14	2 130	1984
1985	1.09 AT 12:50 MST ON AUG 15	0.896 ON SEP 13	0.015B ON APR 20	3 010	1985
1986	6.34 AT 19:51 MST ON JUL 17	4.01 ON JUL 18	0.030B ON APR 04	5 660	1986
1987	5.38 AT 18:15 MST ON AUG 01	2.31 ON AUG 02	0.016B ON APR 18	2 630	1987
1988	1.58 AT 01:44 MST ON JUN 08	0.905 ON JUN 08	0.018B ON APR 01	1 580	1988
1989	2.02 AT 20:02 MST ON AUG 16	1.56 ON JUL 10	0.016B ON APR 01	5 070	1989
1990	3.19 AT 06:07 MST ON JUN 13	2.55 ON JUN 13	0.031B ON APR 05	5 900	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 790	MEAN

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0	0	---	---	---	1975
1976	---	---	0	4.12	0.730	0.986	1.50	3.14	0.622	0.355	---	---	1.42	1976
1977	---	---	0.001	9.74	5.54	5.32	0.149	0.022	0.010	0.075	---	---	2.58	1977
1978	---	---	0.002	1.57	3.37	0.319	0.004	0	0.467	0.111	---	---	0.730	1978
1979	---	---	0	2.45	5.14	1.77	1.43	0.299	0.030	0.055	---	---	1.40	1979
1980	---	---	0.001	0.369	0.086	0.074	0.012	0.001	0	0.057	---	---	0.074	1980
1981	---	---	0.005	9.97	4.92	1.08	0.132	0	0	0.001	---	---	1.99	1981
1982	---	---	0	2.75	2.42	0.016	0	0.008	0	0	---	---	0.647	1982
1983	---	---	0	2.58	0.249	0.736	1.99	1.49	0.002	0.001	---	---	0.878	1983
1984	---	---	0.198	1.88	7.77	1.34	1.22	0	0.002	0.327	---	---	1.60	1984
1985	---	---	0	4.36	1.49	0.291	0.153	0	0	0.238	---	---	0.808	1985
1986	---	---	0.107	4.11	2.35	0.068	0.075	0.006	0	0	---	---	0.832	1986
1987	---	---	0	5.49	0.335	0.827	0.016	1.30	0.123	0.002	---	---	0.998	1987
1988	---	---	0.011	3.85	2.42	3.11	11.5	0.131	0.026	0.049	---	---	2.64	1988
1989	---	---	0	12.5	4.17	0.764	0.098	0.183	0.084	0.312	---	---	2.23	1989
1990	---	---	0.067	9.03	2.58	1.42	0.521	0.002	0	0	---	---	1.68	1990
MEAN	---	---	0.026	4.98	2.90	1.21	1.25	0.439	0.085	0.099	---	---	1.37	MEAN

LOCATION - LAT 56 27 00 N DRAINAGE AREA, 754 km²
LONG 119 07 10 W NATURAL FLOW

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON AUG 18 *	---	1975
1976	18.2 AT 13:30 MST ON APR 12	15.5 ON APR 12	0 B ON MAR 01	30 200	1976
1977	51.3A AT 23:50 MST ON APR 11	40.8 A ON APR 11	0 B ON MAR 14	54 600	1977
1978	10.1 AT 23:30 MST ON MAY 23	9.57 ON MAY 24	0 ON JUL 22	15 500	1978
1979	24.3A AT 16:00 MST ON APR 28	22.4 A ON APR 28	0 B ON MAR 01	29 500	1979
1980	---	0.800B ON APR 05	0 B ON MAR 01	1 570	1980
1981	54.3 AT 23:30 MST ON APR 25 *	49.8 A ON APR 25 *	0 B ON MAR 01	42 200	1981
1982	16.7 AT 00:00 MST ON APR 24	12.7 ON APR 26	0 B ON MAR 01	13 700	1982
1983	14.0 AT 16:00 MST ON APR 18	12.0 ON APR 18	0 B ON MAR 01	18 600	1983
1984	43.7 AT 09:00 MST ON MAY 24	41.2 A ON MAY 24	0 B ON MAR 01	33 800	1984
1985	20.3B AT 22:00 MST ON APR 14	16.9 B ON APR 14	0 B ON MAR 01	17 100	1985
1986	13.9 AT 19:30 MST ON APR 09	12.1 ON APR 09	0 B ON MAR 01	17 600	1986
1987	29.5 AT 16:30 MST ON APR 13	26.8 A ON APR 13	0 B ON MAR 01	21 100	1987
1988	30.6 AT 10:00 MST ON JUL 13	29.8 ON JUL 13	0.001B ON MAR 01	55 900	1988
1989	50.6 AT 07:30 MST ON APR 22	48.0 ON APR 22	0 B ON MAR 01	47 300	1989
1990	16.7B AT 15:30 MST ON APR 15	14.4 B ON APR 15	0 B ON MAR 02	35 600	1990
				29 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.274	0.580	0.568	0.500	0.932	0.880	0.353	0.247	0.621	1957
1958	0.103	0.061	0.210	0.444	0.106	0.725	0.797	0.475	0.445	0.463	0.083	0.061	0.501	1958
1959	0.016	0.013	0.327	0.306	0.215	0.653	0.947	0.623	0.201	0.283	0.242	0.255	0.488	1959
1960	0.115	0.036	0.611	0.334	0.217	0.667	1.25	0.700	0.605	0.681	0.296	0.223	0.687	1960
1961	0.120	0.102	0.138	0.069	0.480	1.12	1.44	0.919	0.792	0.735	0.274	0.075	0.916	1961
1962	0.057	0.102	0.254	0.320	0.266	1.40	1.31	0.880	0.772	0.533	0.171	0.066	0.857	1962
1963	0.052	0.034	0.118	0.082	0.515	1.10	0.551	0.842	0.759	0.708	0.154	0.022	0.745	1963
1964	0.047	0.038	0.047	0.374	0.357	0.909	1.13	1.10	0.719	0.425	0.170	0.258	0.773	1964
1965	0.170	0.231	0.137	0.728	0.239	0.654	0.501	1.06	0.839	0.735	0.378	0.346	0.670	1965
1966	0.070	0.001	0.636	0.308	0.172	0.849	1.28	1.16	0.773	0.706	0.226	0.186	0.823	1966
1967	0.109	0.258	0.977	0.578	1.01	0.243	0.919	1.03	0.816	0.817	0.132	0.041	0.808	1967
1968	0.011	0.019	0.196	0.164	0.276	0.850	1.38	1.36	0.928	0.591	0.386	0.216	0.897	1968
1969	0.042	0.001	2.54	0.593	0.283	1.20	1.06	1.07	1.01	1.03	---	---	0.939	1969
1970	---	---	0.163	0.285	0.472	1.31	1.33	1.37	1.14	0.689	---	---	1.05	1970
1971	---	---	---	---	0.300	0.942	1.75	1.49	1.13	0.597	---	---	1.04	1971
1972	---	---	---	---	0.272	1.04	1.49	1.35	0.943	0.465	---	---	0.925	1972
1973	---	---	---	---	0.360	1.60	1.75	1.91	1.08	0.661	---	---	1.23	1973
1974	---	---	---	---	0.283	1.24	2.24	1.78	0.850	0.647	---	---	1.17	1974
1975	---	---	---	---	0.566	0.501	1.44	1.75	1.05	0.578	---	---	0.984	1975
1976	---	---	---	---	0.523	1.78	2.35	1.89	1.32	1.04	---	---	1.48	1976
1977	---	---	---	---	0.962	---	---	2.18	1.60	0.614	---	---	---	1977
1978	---	---	---	---	0.199	0.343	1.96	1.79	0.902	0.884	---	---	1.02	1978
1979	---	---	---	---	0.120	1.31	2.05	1.56	1.06	0.873	---	---	1.16	1979
1980	---	---	---	---	1.16	1.19	1.96	1.94	1.13	0.518	---	---	1.32	1980
1981	---	---	---	---	0.529	1.38	1.71	1.91	1.65	0.924	---	---	1.35	1981
1982	---	---	---	---	0.415	1.31	1.86	1.83	1.18	0.790	---	---	1.23	1982
1983	---	---	---	---	0.275	1.93	2.43	2.07	1.88	1.02	---	---	1.60	1983
1984	---	---	---	---	0.587	1.81	1.67	1.90	0.670	0.247	---	---	1.15	1984
1985	---	---	---	---	0.335	1.60	1.77	1.96	1.01	0.552	---	---	1.20	1985
1986	---	---	---	---	0.542	1.73	1.95	1.85	1.62	0.999	---	---	1.45	1986
1987	---	---	---	---	0.929	1.89	2.11	2.02	1.13	0.415	---	---	1.41	1987
1988	---	---	---	---	1.65	2.14	2.12	2.14	1.92	0.803	---	---	1.79	1988
1989	---	---	---	---	0.512	1.51	1.84	2.22	1.48	0.474	---	---	1.34	1989
1990	---	---	---	---	0.399	1.25	2.04	1.82	1.70	0.952	---	---	1.36	1990
MEAN	0.076	0.075	0.489	0.353	0.465	1.17	1.54	1.48	1.06	0.686	0.239	0.166	1.06	MEAN

LOCATION - LAT 49 59 18 N LONG 112 05 00 W DRAINAGE AREA, 1 920 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1958, 1960 AND 1969

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	2.89 ON OCT 24	0.011 ON AUG 21	9 870	1957
1958	---	1.23 ON JUL 14	0.054 ON MAY 11	7 960	1958
1959	---	1.59 ON JUN 28	0.045 ON SEP 11	7 750	1959
1960	---	2.24 ON JUL 21	0.133 ON MAY 23	10 900	1960
1961	---	1.93 ON JUL 29	0.031 ON MAY 02	14 500	1961
1962	---	2.04 ON JUN 14	0.054 ON MAY 04	13 600	1962
1963	---	2.27 ON JUN 23	0.034 ON MAY 01	11 800	1963
1964	---	1.38 ON JUL 07	0.040 ON MAY 24	12 300	1964
1965	---	1.67 ON JUN 17	0.096 ON MAY 19	10 600	1965
1966	---	1.86 ON JUL 25	0.045 ON MAY 23	13 100	1966
1967	---	1.47 ON MAY 10	0.142 ON JUN 23	12 900	1967
1968	---	1.52 ON AUG 12	0.051 ON MAY 02	14 300	1968
1969	---	1.51 ON JUN 25	0.173 ON MAY 22	14 900	1969
1970	---	2.10 ON JUN 14	0.037 ON OCT 29	16 700	1970
1971	---	2.14 ON JUL 10	0.113B ON OCT 30	16 500	1971
1972	---	2.24 ON JUL 24	0.144 ON MAY 16	14 700	1972
1973	---	2.15 ON AUG 13	0 E ON MAY 10 *	19 500	1973
1974	---	2.51 ON JUL 22	0.127 ON OCT 31	18 700	1974
1975	---	2.30 ON AUG 01	0.079 ON JUN 12	15 600	1975
1976	---	2.60 ON JUL 13	0.125 ON MAY 04	23 600	1976
1977	---	---	---	---	1977
1978	---	2.60 ON AUG 23	0.085 ON MAY 22	16 200	1978
1979	---	2.39A ON JUL 30	0.039E ON MAY 29	18 500	1979
1980	---	2.76 ON MAY 26	0.106 ON OCT 04	20 900	1980
1981	---	2.07 ON JUN 14	0.055 ON MAY 01	21 500	1981
1982	---	2.30 ON JUL 02	0.126 ON MAY 03	19 500	1982
1983	---	2.79 ON JUL 18	0.160 ON MAY 20	25 400	1983
1984	---	2.41 ON JUN 23	0.079B ON OCT 30	18 200	1984
1985	---	2.34 ON AUG 12	0.090 ON MAY 04	19 100	1985
1986	---	2.89 ON SEP 25	0.067 ON MAY 01	23 000	1986
1987	---	2.56 ON JUL 10	0.050 ON OCT 25	22 500	1987
1988	---	3.47 ON JUN 09 *	0.070A ON OCT 27	28 500	1988
1989	---	2.44 ON AUG 18	0.062A ON OCT 31	21 300	1989
1990	---	2.36 ON JUL 20	0.028 ON MAY 07	21 600	1990
				16 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	5.49	5.12	3.57	2.94	3.34	2.03	---	---	---	1978
1979	---	---	---	---	---	2.08	1.38	1.10	0.881	---	---	---	---	1979
1980	---	---	---	---	2.77	6.42	1.92	1.64	1.57	1.17	---	---	---	1980
1981	---	---	---	1.45	10.5	6.07	11.8	8.95	2.21	---	---	---	---	1981
1982	---	---	---	---	---	---	6.64	2.12	1.60	1.51	---	---	---	1982
1983	---	---	---	---	4.72	2.73	---	---	0.753	0.629	---	---	---	1983
1984	---	---	---	---	---	3.40	0.772	0.394	0.569	0.885	---	---	---	1984
1985	---	---	---	---	---	1.51	0.525	0.671	4.97	2.10	---	---	---	1985
1986	---	---	---	---	8.21	1.87	12.8	3.82	5.81	6.82	---	---	---	1986
1987	---	---	---	2.20	1.30	0.797	2.79	3.75	2.09	1.02	---	---	1.99	1987
1988	---	---	---	2.04	0.796	1.43	1.07	3.38	2.71	1.90	---	---	1.90	1988
1989	---	---	---	3.92	4.36	3.08	2.66	3.88	4.38	1.86	---	---	3.44	1989
1990	---	---	---	2.54	11.1	19.2	5.31	4.08	1.51	1.32	---	---	6.43	1990
MEAN	---	---	---	2.43	5.47	4.64	4.27	3.06	2.49	1.93	---	---	3.44	MEAN

LOCATION - LAT 51 44 10 N LONG 114 39 20 W DRAINAGE AREA, 498 km² NATURAL FLOW

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	17.0 A ON JUN 05	---	---	1980
1981	54.4 AT 06:30 MDT ON JUL 31	44.9 ON JUL 31	---	---	1981
1982	24.5 AT 22:21 MST ON JUL 04	18.3 ON JUL 05	---	---	1982
1983	41.7 AT 03:19 MST ON JUL 04	32.4 ON JUL 04	---	---	1983
1984	18.1 AT 15:44 MST ON JUN 09	16.0 ON JUN 09	---	---	1984
1985	---	24.1 ON SEP 13	---	---	1985
1986	75.6 AT 11:41 MST ON JUL 18	66.3 ON JUL 18	---	---	1986
1987	6.95 AT 18:43 MST ON AUG 15	6.73 ON AUG 15	0.558 ON JUN 15	36 900	1987
1988	8.34 AT 19:59 MST ON AUG 18	7.64 ON AUG 18	0.481 ON JUL 27 *	35 200	1988
1989	18.2 B AT 08:28 MST ON APR 24	15.3 B ON APR 24	0.800B ON APR 01	63 700	1989
1990	154 ON JUN 02 *	113 E ON JUN 02 *	1.09 B ON APR 14	119 000	1990
				63 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIDDLE RIVER ABOVE MORRIS CREEK - STATION NO. 07AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	4.36	2.11	1.48	1.30	---	---	---	1967
1968	---	---	---	---	---	6.92	---	4.98	2.82	1.76	---	---	---	1968
MEAN	---	---	---	---	---	6.92	4.36	3.55	2.15	1.53	---	---	---	MEAN

LOCATION - LAT 53 10 40 N LONG 117 49 53 W DRAINAGE AREA, 203 km² NATURAL FLOW

FIDDLE RIVER ABOVE MORRIS CREEK - STATION NO. 07AA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
				---	MEAN

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	5.67	9.34	6.97	4.08	3.93	1.66	---	---	---	1962
1963	---	---	---	---	4.69	8.01	6.65	2.79	2.05	0.904	---	---	---	1963
1964	---	---	0.605	0.450	3.20	12.9	6.47	2.89	9.60	6.91	---	---	---	1964
1965	---	---	1.01	1.24	8.70	16.0	12.3	2.62	8.57	3.95	---	---	---	1965
MEAN	---	---	0.808	0.845	5.57	11.6	8.10	3.10	6.04	3.36	---	---	---	MEAN

LOCATION - LAT 53 12 35 N LONG 117 50 50 W DRAINAGE AREA, 238 km² NATURAL FLOW

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	14.3 ON MAY 27	0B ON MAR 15 *	---	1962
1963	---	22.1 ON JUL 14	---	---	1963
1964	---	36.0 ON JUN 08 *	---	---	1964
1965	---	28.2 ON JUL 12	---	---	1965
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	8.87	8.13	---	1971
1972	7.43	7.08	7.73	---	---	33.3	33.6	17.3	16.4	25.8	16.3	11.0	---	1972
1973	10.3	9.95	9.17	---	---	28.5	56.4	97.0	29.3	43.0	23.8	12.5	---	1973
1974	10.9	10.0	10.3	---	---	53.8	41.1	35.7	25.0	25.7	20.5	14.8	---	1974
1975	11.1	9.67	9.41	23.1	44.4	46.3	58.9	47.3	64.8	53.7	25.6	12.8	43.5	1975
1976	11.2	10.0	9.17	42.4	30.9	26.8	---	18.6	31.6	31.7	13.5	10.9	---	1976
1977	9.32	10.2	10.9	37.3	36.5	33.5	36.5	20.9	22.2	23.6	12.6	10.1	27.6	1977
1978	8.96	7.23	8.26	23.4	56.9	35.2	17.9	35.5	69.7	58.0	24.6	14.5	38.0	1978
1979	11.3	8.44	9.70	13.1	113	44.1	22.1	23.2	25.2	26.9	16.5	13.0	34.8	1979
1980	9.50	7.34	7.66	28.6	19.0	16.0	15.3	24.2	34.9	26.5	11.3	9.16	21.5	1980
1981	8.72	8.72	11.1	15.0	24.2	24.8	36.5	12.3	8.87	10.2	11.0	9.20	17.9	1981
1982	6.86	6.32	5.67	15.1	68.1	24.2	17.3	19.3	17.8	16.2	13.9	9.46	23.0	1982
1983	9.12	9.14	9.48	26.6	30.6	23.1	13.9	13.6	13.4	14.5	12.7	8.20	18.1	1983
1984	7.21	7.00	7.35	27.4	18.0	30.1	26.6	36.3	32.6	34.9	20.2	12.1	26.6	1984
1985	9.18	7.91	7.52	54.8	133	31.6	20.1	12.5	15.9	19.2	15.9	10.7	36.9	1985
1986	13.2	11.8	10.2	30.0	74.6	39.9	52.7	28.5	18.6	18.4	14.2	12.0	34.2	1986
1987	11.8	12.0	12.4	56.3	64.5	43.5	23.5	19.8	20.3	22.1	---	---	32.7	1987
1988	---	---	8.37	26.3	63.5	43.4	58.2	22.5	61.6	31.6	---	---	39.4	1988
1989	---	---	7.31	18.7	133	55.1	63.1	31.6	32.1	33.2	---	---	46.9	1989
1990	---	---	15.0	45.2	98.4	39.7	21.3	10.9	12.2	14.8	---	---	32.2	1990
MEAN	9.75	8.93	9.30	30.2	63.0	35.4	34.2	27.7	29.1	27.9	16.3	11.2	31.5	MEAN

LOCATION - LAT 57 38 30 N LONG 111 10 30 W DRAINAGE AREA, 5 990 km^2 NATURAL FLOW

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	7.08B ON MAR 01	---	1972
1973	---	---	---	---	1973
1974	---	---	9.03B ON MAR 28	---	1974
1975	99.4 AT 18:00 MST ON SEP 01	98.5 ON SEP 01	9.15B ON MAR 12	920 000	1975
1976	---	60.9E ON APR 19	8.50B ON MAR 08	---	1976
1977	---	73.9B ON APR 19	10.8 B ON MAR 01	585 000	1977
1978	94.6 AT 04:20 MST ON SEP 13	94.3 ON SEP 12	7.79B ON MAR 01	806 000	1978
1979	204 AT 12:15 MST ON MAY 16 *	201 ON MAY 16	8.20B ON MAR 01	737 000	1979
1980	61.9B AT 07:30 MST ON APR 20	45.9B ON APR 21	7.40B ON MAR 12	455 000	1980
1981	67.8 AT 00:05 MST ON JUL 16	67.5A ON JUL 15	4.24 ON OCT 25 *	378 000	1981
1982	---	89.0E ON MAY 08	5.44B ON MAR 25	487 000	1982
1983	64.9 AT 09:20 MST ON APR 26	64.1A ON APR 26	9.10B ON MAR 02	383 000	1983
1984	---	60.0E ON OCT 22	7.00B ON MAR 01	563 000	1984
1985	---	236 E ON MAY 09 *	7.30B ON MAR 15	781 000	1985
1986	92.8 AT 07:04 MST ON MAY 13	92.3 ON MAY 13	7.76B ON MAR 05	723 000	1986
1987	---	122 E ON APR 26	12.1 B ON MAR 01	693 000	1987
1988	108 AT 00:30 MST ON JUL 12	107 ON JUL 11	6.39B ON MAR 14	833 000	1988
1989	179 AT 04:31 MST ON MAY 24	179 ON MAY 24	4.30B ON MAR 27	993 000	1989
1990	152 B AT 02:39 MST ON APR 26	138 B ON APR 26	9.81 ON AUG 21	681 000	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		668 000	MEAN

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 05CG006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	0.001	0	---	---	---	1984
1985	---	---	0.151	1.11	0.230	0.001	0	0	0.005	0.006	---	---	0.186	1985
1986	---	---	0.074	0.011	0.006	0.002	0	0	0.004	0.010	---	---	0.013	1986
1987	---	---	0.007	0.345	0.009	0	0.001	0	0.003	0.003	---	---	0.045	1987
1988	---	---	0.002	0.009	0.002	0.002	0	0	0	0.001	---	---	0.002	1988
1989	---	---	0	0.097	0.004	0.002	0	0	0	0	---	---	0.013	1989
1990	---	---	0.022	0.005	0.005	0.003	0.001	0	0	0	---	---	0.004	1990
MEAN	---	---	0.043	0.263	0.043	0.002	0	0	0.002	0.003	---	---	0.044	MEAN

LOCATION - LAT 51 23 15 N LONG 112 12 15 W DRAINAGE AREA, 121 km^2 NATURAL FLOW

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 05CG006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0 ON AUG 21 *	---	1984
1985	14.4 AT 00:06 MST ON APR 02 *	10.5 ON APR 02 *	0B ON MAR 01	3 930	1985
1986	---	0.727B ON MAR 01	0 ON APR 28	283	1986
1987	---	3.47 B ON APR 01	0B ON MAR 01	956	1987
1988	---	0.069B ON APR 01	0B ON MAR 01	44.3	1988
1989	---	1.18 B ON APR 02	0B ON MAR 01	268	1989
1990	0.414B AT 16:31 MST ON MAR 21	0.206B ON MAR 21	0 ON JUL 17	94.4	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		929	MEAN

FISH CREEK AT BOW BOTTOM TRAIL - STATION NO. 05BK003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1989	---	---	---	---	---	---	0.146	0.083	0.275	0.145	---	---	---	1989
1990	---	---	---	---	2.98	3.49	0.894	1.26	0.218	0.307	---	---	1.52	1990
MEAN	---	---	---	---	2.98	3.49	0.520	0.672	0.247	0.226	---	---	1.52	MEAN

LOCATION - LAT 50 54 25 N
LONG 114 00 56 W

FISH CREEK AT BOW BOTTOM TRAIL - STATION NO. 05BK003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1989	---	---	---	---	1989
1990	22.7 AT 07:40 MST ON JUN 03 *	17.9 ON JUN 03 *	0.080 ON OCT 02 *	24 200	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 200	MEAN

FISH CREEK NEAR HINTON - STATION NO. 07AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.125	0.118	0.117	0.210	---	---	---	1972
1973	---	---	---	---	0.474	0.212	0.076	0.123	0.060	---	---	---	---	1973
1974	---	---	---	0.234	0.392	0.099	0.153	0.060	---	---	---	---	---	1974
MEAN	---	---	---	0.234	0.433	0.156	0.118	0.100	0.089	0.210	---	---	---	MEAN

LOCATION - LAT 53 29 10 N DRAINAGE AREA, 25.6 km^2
LONG 117 39 05 W NATURAL FLOW

FISH CREEK NEAR HINTON - STATION NO. 07AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.95 AT 14:30 MST ON JUN 24 *	1.31 ON JUN 24 *	---	---	1973
1974	0.937 AT 19:20 MST ON APR 25	0.748 ON JUL 12	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	8.38	11.6	1.30	0.687	0.619	0.562	---	---	---	1917
1918	---	---	---	---	1.51	1.14	0.266	0.130	0.184	0.260	---	---	---	1918
1919	---	---	0.027	0.870	1.16	0.270	0.006	0.385	0.047	0.100	---	---	0.358	1919
MEAN	---	---	0.027	0.870	3.68	4.34	0.524	0.401	0.283	0.307	---	---	0.358	MEAN

LOCATION - LAT 50 55 46 N DRAINAGE AREA, 428 km^2
LONG 114 03 55 W NATURAL FLOW

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	72.2 ON JUN 03 *	---	---	1917
1918	---	5.30 ON JUN 01	---	---	1918
1919	---	2.32 ON MAY 10	0.001 ON JUL 13 *	7 570	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 570	MEAN

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	1.52	0.473	0.268	0.632	---	---	---	1908
1909	---	---	---	---	---	1.67	1.99	0.446	0.189	0.193	---	---	---	1909
1910	---	---	---	---	0.222	0.205	0.013	0.042	0.483	0.193	---	---	---	1910
1911	---	---	---	1.61	2.04	1.60	1.83	4.42	1.46	1.06	---	---	---	1911
1912	---	---	---	---	2.16	2.96	10.8	2.53	2.01	1.75	---	---	---	1912
1913	---	---	---	---	2.73	2.29	1.19	0.816	0.465	0.480	---	---	---	1913
1914	---	---	---	---	0.779	1.05	0.489	0.144	0.098	0.482	---	---	---	1914
1915	---	---	---	0.769	6.06	15.5	20.1	5.38	3.97	3.44	---	---	---	1915
1916	---	---	---	4.92	4.60	23.8	4.40	6.31	8.02	2.23	---	---	---	1916
1956	---	---	0.340	0.947	1.43	0.595	0.651	0.316	0.194	0.119	0.113	0.184	0.574	1956
1957	0.123	0.003	0.351	2.59	1.60	1.12	0.213	0.238	0.264	0.452	0.509	0.234	0.847	1957
1958	0.293	0.068	0.024	4.38	2.56	1.66	2.38	0.357	0.399	0.236	0.093	0.077	1.49	1958
1959	0.113	0.106	0.564	2.13	1.87	3.89	0.599	0.398	0.295	0.360	0.402	0.147	1.25	1959
1960	0.059	0.044	1.84	1.16	1.80	1.10	0.431	0.143	0.071	0.108	0.077	0.055	0.832	1960
1961	0.074	0.080	0.313	0.651	2.03	0.347	0.211	0.166	0.136	0.506	0.357	0.182	0.546	1961
1962	0.143	0.206	0.701	3.37	1.72	0.885	0.144	0.020	0.195	0.114	0.091	0.087	0.886	1962
1963	0.100	0.164	0.145	0.556	0.349	3.41	2.42	0.228	0.174	0.070	0.077	0.093	0.913	1963
1964	0.029	0.020	0.053	0.498	3.82	2.35	0.587	0.027	0.154	0.106	0.119	0.029	0.949	1964
1965	0	0.074	0.170	3.11	0.646	3.36	4.85	1.87	2.11	1.28	0.597	0.232	2.16	1965
1966	0.056	0.024	0.366	0.556	2.32	2.46	1.77	0.675	0.349	0.320	0.093	0.048	1.10	1966
1967	0.070	0.120	1.00	4.43	6.08	5.83	0.713	0.270	0.084	0.124	0.132	0.058	2.30	1967
1968	0.080	0.171	0.443	0.585	0.742	1.32	0.261	0.308	0.660	0.844	---	---	0.643	1968
1969	---	---	0.166	4.01	3.45	6.72	5.08	0.474	0.342	0.281	---	---	2.55	1969
1970	---	---	0.128	2.53	2.04	3.33	0.758	0.078	0.150	0.176	---	---	1.14	1970
1971	---	---	0.097	3.84	0.927	3.20	0.308	0.016	0.105	0.199	---	---	1.07	1971
1972	---	---	1.21	2.58	1.24	1.16	0.526	0.364	0.432	0.336	---	---	0.975	1972
1973	---	---	0.811	2.20	3.56	2.53	0.316	0.141	0.300	0.249	---	---	1.26	1973
1974	---	---	0.056	3.95	6.88	1.65	0.311	0.317	0.163	0.244	---	---	1.69	1974
1975	---	---	0.004	1.65	1.86	1.39	0.243	0.082	0.066	0.093	---	---	0.669	1975
1976	---	---	0.062	0.814	0.667	0.316	0.074	0.701	0.179	0.117	---	---	0.365	1976
1977	---	---	0.096	1.26	0.911	0.267	0.067	0.082	0.263	0.229	---	---	0.395	1977
1978	---	---	1.36	2.18	3.19	2.45	1.06	0.573	0.738	0.331	---	---	1.48	1978
1979	---	---	1.13	2.35	2.09	0.630	0.272	0.102	0.024	0.100	---	---	0.835	1979
1980	---	---	0.005	1.96	1.53	2.05	0.102	0.085	0.191	0.185	---	---	0.756	1980
1981	---	---	0.371	0.296	4.40	3.09	1.55	0.658	0.112	0.228	---	---	1.34	1981
1982	---	---	0.029	1.25	0.895	1.49	0.817	0.031	0.208	0.223	---	---	0.613	1982
1983	---	---	0.184	2.15	1.22	0.502	0.715	0.005	0	0.034	---	---	0.598	1983
1984	---	---	0.186	0.378	0.305	0.725	0.011	0.004	0.003	0.022	---	---	0.202	1984
1985	---	---	0.270	1.42	0.711	0.293	0.010	0.110	0.939	0.447	---	---	0.521	1985
1986	---	---	0.504	0.353	1.40	0.645	0.740	0.170	1.05	1.42	---	---	0.787	1986
1987	---	---	0.273	1.43	0.504	0.118	0.715	0.435	0.224	0.120	---	---	0.476	1987
1988	---	---	0.174	0.705	0.235	0.329	0.042	0.219	0.111	0.109	---	---	0.239	1988
1989	---	---	0	1.98	0.890	0.562	0.111	0.107	0.423	0.199	---	---	0.529	1989
1990	---	---	0.427	0.820	2.46	2.76	0.644	0.956	0.239	0.300	---	---	1.07	1990
MEAN	0.095	0.090	0.396	1.90	2.07	2.62	1.64	0.711	0.644	0.471	0.222	0.119	0.973	MEAN

LOCATION - LAT 50 53 10 N DRAINAGE AREA, 259 km²
LONG 114 19 35 W NATURAL FLOW

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	45.3 ON AUG 08	---	---	1912
1913	---	37.1 ON JUL 25	---	---	1913
1914	---	8.78 ON JUN 29	---	---	1914
1915	200 ON JUN 26 *	3.11 ON JUN 26	---	---	1915
1916	---	199 ON JUN 26 *	---	---	1916
1956	---	121 ON JUN 04	---	---	1956
1957	---	5.66 ON MAY 13	0.020 ON AUG 24	12 200	1957
1958	---	7.33B ON APR 18	0 B ON MAR 08 *	17 900	1958
1959	41.3 ON JUN 27	13.6 B ON APR 16	0 B ON MAR 23	31 600	1959
1960	---	36.2 ON JUN 27	0.028B ON MAR 08	26 500	1960
1961	4.05 ON MAY 16	4.79B ON MAR 24	0.045 ON SEP 14	17 600	1961
1962	---	3.54 ON MAY 01	0 B ON MAR 07	11 600	1962
1963	---	8.64B ON APR 04	0 ON AUG 18	18 700	1963
1964	---	58.9 ON JUN 30	0 B ON MAR 06	19 300	1964
1965	---	17.3 ON MAY 03	0 ON AUG 13	20 100	1965
1966	---	29.2 ON JUL 09	0 B ON MAR 04	45 800	1966
1967	---	14.8 ON JUL 03	0.014B ON MAR 01	23 300	1967
1968	---	72.5 ON MAY 31	0.051 ON SEP 20	48 700	1968
1969	---	7.25 ON JUN 08	0.076 ON JUL 18	13 600	1969
1970	---	75.3 ON JUN 29	0.088 ON AUG 31	54 000	1970
1971	---	34.5 ON JUN 14	0.040E ON AUG 29	24 100	1971
1972	---	19.9 ON JUN 06	0.003 ON AUG 09	22 700	1972
1973	---	7.16B ON APR 06	0 B ON MAR 01	20 600	1973
1974	---	12.1 ON MAY 26	0.062 ON AUG 21	26 600	1974
1975	---	20.7 ON APR 29	0.017B ON MAR 05	35 900	1975
1976	---	10.0 ON MAY 08	0 B ON MAR 01	14 200	1976
1977	---	3.26 ON AUG 10	0.004 ON JUL 26	7 740	1977
1978	---	6.88B ON APR 05	0.007 ON AUG 02	8 360	1978
1979	---	21.1 ON MAY 31	0 B ON MAR 01	31 300	1979
1980	---	6.45 ON APR 27	0 B ON MAR 01	17 700	1980
1981	---	10.8 ON JUN 04	0 B ON MAR 01	16 000	1981
1982	---	17.0 ON JUN 14	0.031 ON SEP 20	28 400	1982
1983	---	4.67 ON JUN 07	0 B ON MAR 01	13 000	1983
1984	5.64 AT 09:37 MST ON JUN 09	16.0 ON APR 25	0 B ON MAR 01	12 700	1984
1985	8.26 AT 08:40 MST ON SEP 13	4.80 ON JUN 09	0 B ON MAR 01	4 280	1985
1986	---	6.52 ON SEP 13	0 B ON MAR 01	11 000	1986
1987	---	5.90 ON SEP 27	0.043 ON AUG 29	16 600	1987
1988	4.11B AT 09:20 MST ON APR 04	4.97B ON APR 01	0.026 ON JUN 15	10 100	1988
1989	5.01 AT 05:01 MST ON APR 23	2.77B ON APR 02	0 B ON MAR 01	5 060	1989
1990	20.0 AT 20:41 MST ON JUN 02	4.44 ON APR 23	0 B ON MAR 01	11 200	1990
		12.6 ON JUN 03	0.060B ON MAR 01	22 700	MEAN
				20 600	

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIVE MILE CREEK NEAR SPRING POINT - STATION NO. 05AB014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.014	0.116	0.138	0.042	0.255	0.012	0.007	0.008	---	---	---	1922
1923	---	---	0.007	0.062	0.111	1.21	0.460	0.205	0.106	0.059	---	---	---	1923
MEAN	---	---	0.011	0.089	0.125	0.626	0.258	0.109	0.057	0.034	---	---	---	MEAN

LOCATION - LAT 49 43 56 N
LONG 113 51 06 W
DRAINAGE AREA, 53.1 km²
NATURAL FLOW

FIVE MILE CREEK NEAR SPRING POINT - STATION NO. 05AB014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.396B ON MAY 03	0B ON MAR 01 *	---	1922
1923	---	6.97 ON JUN 01 *	0B ON MAR 01	---	1923
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0.042	0.195	---	---	---	---	1919
1920	---	---	---	---	---	7.05	0.670	0.438	0.069	0.149	---	---	---	1920
1921	---	---	---	0.836	0.391	0.889	3.38	0.693	0.220	0.099	---	---	---	1921
1922	---	---	---	0.624	1.09	0.255	0.065	0.002	0.014	0.005	---	---	---	1922
1923	---	---	---	---	---	0.456	1.34	0.074	0.007	0	---	---	---	1923
1924	---	---	---	0.004	0.102	0.077	0.085	0.087	0.151	0.108	---	---	---	1924
1925	---	---	---	0.489	0.618	0.825	0.112	0.125	0.097	0.078	---	---	---	1925
1926	---	---	---	0.135	0.139	0.171	0.042	0.008	0.033	0.059	---	---	---	1926
1927	---	---	---	0.670	0.498	0.779	3.49	0.213	0.209	1.20	---	---	---	1927
1928	---	---	---	0.271	2.13	1.27	0.725	0.421	0.316	0.239	---	---	---	1928
1929	---	---	---	0.586	0.236	0.227	0.905	0.168	0.070	0.038	---	---	---	1929
1930	---	---	---	0.338	0.875	2.60	0.865	0.274	0.191	0.147	---	---	---	1930
1931	---	---	---	0.341	---	---	---	---	---	---	---	---	---	1931
1980	---	---	---	---	---	---	0.098	0.603	0.735	0.216	---	---	---	1980
1981	---	---	0.476	0.963	0.151	0.254	0.529	0.091	0.002	0.023	---	---	0.310	1981
1982	---	---	0	0.675	0.135	0.016	0.040	0.048	0.034	0.011	---	---	0.118	1982
1983	---	---	0.007	0.162	0.025	0.193	0.662	0.059	0.005	0.012	---	---	0.141	1983
1984	---	---	0.170	0.174	0.141	0.720	0.018	0.026	0.065	0.038	---	---	0.167	1984
1985	---	---	0.104	2.18	0.529	0.140	0.065	0	0	0	---	---	0.372	1985
1986	---	---	0.334	0.197	0.057	0.002	1.79	0.204	0	0.020	---	---	0.329	1986
1987	---	---	0.003	1.28	0.251	0.246	0.005	0.053	0.067	0.033	---	---	0.238	1987
1988	---	---	0.018	0.064	0.013	0.034	0.089	0.011	0	0	---	---	0.029	1988
1989	---	---	0	0.127	0.128	0.067	0.039	0.009	0.013	0.005	---	---	0.048	1989
1990	---	---	0.155	0.347	0.168	0.040	0.197	0	0	0	---	---	0.113	1990
MEAN	---	---	0.127	0.523	0.404	0.777	0.691	0.159	0.108	0.113	---	---	0.187	MEAN

LOCATION - LAT 54 35 15 N DRAINAGE AREA, 184 km²
LONG 112 54 20 W NATURAL FLOW

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	42.8 ON JUN 19 *	---	---	1920
1921	---	17.0 ON JUL 04	---	---	1921
1922	---	2.86 ON MAY 12	0 ON AUG 10 *	---	1922
1923	---	6.29 ON JUL 06	0 ON SEP 11	---	1923
1924	---	0.190 ON SEP 09	0E ON APR 01	---	1924
1925	---	1.40 ON JUN 10	0E ON APR 01	---	1925
1926	---	0.258 ON JUN 18	---	---	1926
1927	---	8.16 ON JUL 09	0B ON APR 01	---	1927
1928	---	5.32 ON MAY 04	---	---	1928
1929	---	2.01 ON JUL 14	---	---	1929
1930	---	5.47 ON JUN 15	0B ON APR 01	---	1930
1931	---	---	---	---	1931
1980	---	---	---	---	1980
1981	3.09 AT 22:05 MST ON MAR 31	2.64 ON MAR 31	0 ON SEP 16	6 560	1981
1982	2.68B AT 17:00 MST ON APR 22	2.48 B ON APR 22	0B ON MAR 01	2 510	1982
1983	2.29 AT 18:31 MST ON JUL 22	2.25 ON JUL 22	0B ON MAR 01	2 980	1983
1984	2.51 AT 11:44 MST ON JUN 08	2.43 ON JUN 08	0B ON MAR 01	3 540	1984
1985	4.66 AT 06:44 MST ON APR 27	4.60 B ON APR 02	0B ON MAR 01	7 880	1985
1986	10.6 AT 01:10 MST ON JUL 19 *	10.1 ON JUL 19	0 ON JUN 07	6 970	1986
1987	6.20 AT 06:00 MST ON APR 07	4.98 B ON APR 07	0 ON JUL 21	5 040	1987
1988	1.11 AT 22:18 MST ON AUG 03	0.357 ON JUL 16	0 ON AUG 16	607	1988
1989	1.08 AT 09:39 MST ON JUL 28	0.515A ON APR 13	0B ON MAR 01	1 020	1989
1990	3.15B AT 02:30 MST ON MAR 30	1.55 B ON MAR 30	0B ON MAR 01	2 390	1990
				3 950	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR DONATVILLE - STATION NO. 07CA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	38.4	16.6	2.04	1.21	0.994	---	---	---	1920
1921	---	---	---	---	0.539	0.337	2.89	3.46	1.61	0.412	---	---	---	1921
1922	---	---	---	---	2.10	---	---	---	0.057	0.024	---	---	---	1922
1923	---	---	---	0.704	0.596	0.455	0.791	0.300	0.198	0.142	---	---	0.455	1923
1924	---	---	---	0.104	0.316	0.055	0.029	0.016	0.018	0.040	---	---	0.083	1924
1925	---	---	---	1.08	1.84	1.60	0.696	0.259	0.101	0.068	---	---	0.804	1925
1926	---	---	---	0.117	0.126	0.092	0.013	0	0	0.003	---	---	0.050	1926
1927	---	---	0.010	0.101	0.118	0.119	9.71	7.17	2.60	2.73	---	---	3.25	1927
1928	---	---	---	0.615	1.85	1.17	0.827	0.451	0.323	0.280	---	---	0.790	1928
1929	---	---	---	0.936	0.951	0.357	0.335	0.336	0.299	0.225	---	---	0.491	1929
1930	---	---	---	0.133	0.207	0.938	1.09	0.492	0.306	0.349	---	---	0.502	1930
1931	---	---	---	0.018	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.010	0.423	0.864	4.35	3.30	1.45	0.611	0.479	---	---	0.803	MEAN

LOCATION - LAT 54 45 20 N DRAINAGE AREA, 666 km²
LONG 112 52 23 W NATURAL FLOW

FLAT CREEK NEAR DONATVILLE - STATION NO. 07CA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	63.4 ON JUN 24 *	---	---	1920
1921	---	4.87 ON AUG 02	---	---	1921
1922	---	---	---	---	1922
1923	---	2.83 B ON APR 16	0 B ON APR 01 *	8 420	1923
1924	---	1.53 B ON MAY 02	0 ON JUL 30	1 540	1924
1925	---	2.89 ON MAY 01	0 B ON APR 01	14 900	1925
1926	---	0.227B ON APR 13	0 ON JUL 20	923	1926
1927	---	21.9 ON JUL 09	0.006B ON APR 02	60 100	1927
1928	---	2.86 ON MAY 16	0.210 ON OCT 10	14 600	1928
1929	---	1.76 B ON APR 14	0.093B ON OCT 31	9 080	1929
1930	---	1.70 ON JUN 16	0 B ON APR 02	9 290	1930
1931	---	---	0 B ON APR 01	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 900	MEAN

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO. 05AD901

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	0.104	0.102	0.022	0	0	0	0	---	---	0.032	1983
1984	---	---	---	0.012	0.018	0.001	0	0	0	0	---	---	0.004	1984
1985	---	---	---	0.080	0.013	0.011	0	0	0.017	0.236	---	---	0.051	1985
1986	---	---	---	0.296	0.469	0.123	0	0	0	0.003	---	---	0.127	1986
1987	---	---	---	---	0.085	0.005	0.066	---	0.001	0	---	---	---	1987
1988	---	---	---	---	0.036	0.010	0.001	0	0	0	---	---	---	1988
1989	---	---	---	0.208	0.107	0.152	0.003	0	0	0	---	---	0.066	1989
MEAN	---	---	---	0.140	0.119	0.046	0.010	0	0.003	0.034	---	---	0.056	MEAN

LOCATION - LAT 49 24 25 N DRAINAGE AREA, 134 km^2
LONG 113 40 50 W NATURAL FLOW

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO. 05AD901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	0.207R ON MAY 21	0 ON JUN 22 *	601	1983
1984	0.074 AT 09:10 MST ON APR 21	0.061 ON APR 21	0 ON APR 01	82.8	1984
1985	0.932 AT 04:10 MST ON OCT 13 *	0.839 ON OCT 17	0 ON JUN 13	948	1985
1986	---	1.11 ON MAY 07 *	0 ON JUN 25	2 350	1986
1987	---	---	0 ON JUN 10	---	1987
1988	---	0.110 ON MAY 09	0 ON JUN 24	---	1988
1989	0.727 AT 00:14 MST ON JUN 12	0.614 ON JUN 12	0 ON MAY 24	1 230	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		1 040	MEAN

FORTY MILE CREEK NEAR BANFF - STATION NO. 05BB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	4.10	3.06	1.95	1.29	0.743	---	1912
1913	0.817	0.712	0.583	1.05	2.68	10.4	4.68	3.40	2.77	1.85	1.24	0.924	4.27	1913
1914	0.652	0.635	0.793	0.825	3.45	8.68	5.69	2.22	1.50	1.81	1.23	0.683	3.88	1914
1915	0.765	0.585	0.440	0.942	2.17	5.20	6.42	3.26	2.05	1.72	1.28	0.527	3.47	1915
1916	0.547	0.602	0.536	0.837	1.66	8.66	8.87	3.53	2.34	1.53	0.884	0.587	4.42	1916
1917	0.432	0.464	0.368	0.379	2.06	7.02	5.81	2.25	1.38	1.25	0.800	0.769	3.29	1917
1918	0.516	0.380	0.364	0.502	2.08	5.98	3.72	2.12	1.43	1.44	0.788	0.528	2.75	1918
1919	0.464	0.446	0.334	0.669	3.38	5.06	2.83	2.54	1.35	0.734	0.507	0.304	2.64	1919
1920	0.221	0.305	0.339	---	---	---	---	---	---	---	---	---	---	1920
1945	---	---	---	---	---	---	---	---	---	1.10	0.653	0.644	---	1945
1946	0.511	0.443	0.448	0.627	---	7.18	3.94	2.31	2.68	1.94	1.19	0.827	---	1946
1947	0.653	0.489	0.451	0.781	5.62	7.54	4.22	1.93	1.70	1.43	1.09	0.877	3.73	1947
1948	0.715	0.631	0.502	0.602	---	---	---	---	---	---	---	---	---	1948
1972	---	---	---	---	3.16	10.3	6.40	3.65	2.17	1.63	---	---	4.53	1972
1973	---	---	---	---	3.72	8.72	5.95	2.37	1.41	0.950	---	---	3.84	1973
1974	---	---	---	---	1.37	8.99	5.18	2.62	1.49	1.13	---	---	3.44	1974
1975	---	---	---	---	1.11	3.46	3.34	2.18	1.57	1.06	---	---	2.12	1975
1976	---	---	---	---	3.08	5.29	6.10	3.75	2.39	1.31	---	---	3.79	1976
1977	---	---	---	---	2.59	4.93	3.07	2.56	1.87	1.29	---	---	2.71	1977
MEAN	0.572	0.517	0.469	0.721	2.78	7.16	5.08	2.80	1.95	1.41	0.996	0.674	3.49	MEAN

LOCATION - LAT 51 12 24 N DRAINAGE AREA, 133 km^2
LONG 115 35 05 W NATURAL FLOW

FORTY MILE CREEK NEAR BANFF - STATION NO. 05BB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	15.7 ON JUN 12 13.7 ON JUN 17	1.02 ON MAY 09 1.19 ON SEP 07	67 800 61 600	1914
1915	---	14.4 ON JUN 26	1.53 ON OCT 25	55 200	1915
1916	---	20.2 ON JUN 19 *	0.906 ON MAY 01	70 300	1916
1917	---	10.0 ON JUN 18	0.368 ON MAY 01	52 200	1917
1918	---	12.0 ON JUN 14	0.552 ON MAY 02	43 700	1918
1919	---	8.44 ON MAY 28	0.340 ON OCT 27 *	42 000	1919
1920	---	---	---	---	1920
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	13.1 ON MAY 29	1.06 ON MAY 01	---	1947
1948	---	16.9 ON JUN 12	1.21 ON OCT 30	59 300	1948
1972	18.1 AT 08:00 MST ON JUN 01	16.9 ON JUN 01	0.428 ON MAY 10	72 000	1972
1973	12.7 AT 15:00 MST ON JUN 24	12.5 ON JUN 24	0.623E ON MAY 01	61 100	1973
1974	20.5 AT 03:00 MST ON JUN 17 *	18.6 ON JUN 24	0.864 ON MAY 19	54 700	1974
1975	5.24 AT 04:30 MST ON JUN 26	5.13 ON JUN 25	0.595 ON MAY 01	33 700	1975
1976	15.3 AT 03:30 MST ON JUL 01	13.3 ON JUL 01	1.10 E ON OCT 29	60 200	1976
1977	12.0 AT 02:00 MST ON JUN 08	11.2 ON JUN 08	1.06 ON OCT 31	43 100	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 500	MEAN

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	45.0	31.4	32.0	20.8	8.16	---	---	---	1965
1966	---	---	0.107	3.45	22.7	9.95	13.1	18.8	6.04	0.685	---	---	9.39	1966
1967	---	---	0.709	2.49	42.7	20.4	1.72	1.19	0.660	0.618	---	---	8.82	1967
1968	---	---	1.12	3.24	20.6	23.1	4.29	3.81	3.23	3.26	---	---	7.81	1968
1969	---	---	0.446	20.0	11.3	1.95	2.86	7.27	12.9	3.80	---	---	7.52	1969
1970	---	---	1.13	4.84	27.9	18.6	13.1	6.02	4.70	2.18	---	---	9.81	1970
1971	---	---	0.500	10.6	17.8	38.1	97.0	17.4	3.64	2.73	---	---	23.5	1971
1972	---	---	0.580	4.72	63.6	25.2	14.9	7.59	4.02	3.39	---	---	15.5	1972
1973	---	---	0.592	5.77	19.1	29.1	8.55	9.57	5.34	5.41	---	---	10.4	1973
1974	---	---	0.821	26.7	73.5	11.5	33.1	5.10	3.81	3.32	---	---	19.8	1974
1975	---	---	0.692	7.76	20.3	25.1	15.7	8.66	12.2	4.32	---	---	11.8	1975
1976	---	---	0.795	19.3	11.5	11.8	17.5	35.6	15.4	6.05	---	---	14.7	1976
1977	---	---	1.37	16.7	42.8	26.6	29.3	6.02	6.22	5.49	---	---	16.8	1977
1978	---	---	0.926	9.26	15.7	16.7	18.3	7.35	21.0	8.11	---	---	12.1	1978
1979	---	---	1.22	4.03	45.2	45.9	44.6	7.77	2.35	2.06	---	---	19.2	1979
1980	---	---	0.165	13.8	7.25	11.8	13.4	10.4	16.6	6.61	---	---	9.97	1980
1981	---	---	1.27	9.51	10.8	14.2	8.35	3.13	1.07	1.57	---	---	6.21	1981
1982	---	---	0.382	3.56	30.9	4.18	28.5	32.4	5.76	3.61	---	---	13.8	1982
1983	---	---	0.213	5.76	4.86	21.9	62.0	10.7	4.75	3.55	---	---	14.3	1983
1984	---	---	0.942	7.06	17.4	39.1	12.7	4.45	4.81	3.51	---	---	11.2	1984
1985	---	---	1.36	6.94	25.2	16.5	6.50	4.06	15.8	11.4	---	---	10.9	1985
1986	---	---	1.01	17.1	37.4	15.7	36.7	8.88	3.68	9.50	---	---	16.3	1986
1987	---	---	0.920	7.17	11.7	9.02	3.59	19.5	8.50	3.78	---	---	8.01	1987
1988	---	---	0.588	5.52	7.85	20.3	50.5	8.23	3.60	2.68	---	---	12.4	1988
1989	---	---	0.456	5.16	33.8	14.3	36.5	40.3	6.70	3.42	---	---	17.7	1989
1990	---	---	1.18	7.00	9.67	13.7	8.75	1.98	3.27	1.75	---	---	5.88	1990
MEAN	---	---	0.780	9.10	25.3	20.4	23.6	12.2	7.57	4.27	---	---	12.6	MEAN

LOCATION - LAT 54 21 52 N
LONG 114 54 13 W

DRAINAGE AREA, 1 660 km^2
NATURAL FLOW

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	399 ON JUN 29 *	---	---	1965
1966	---	67.1 ON AUG 29	0.057B ON MAR 01 *	199 000	1966
1967	---	72.8 ON MAY 18	0.541B ON MAR 01	187 000	1967
1968	---	49.6 ON JUN 14	1.02 B ON MAR 17	165 000	1968
1969	---	46.4 ON APR 19	0.057B ON MAR 01	159 000	1969
1970	101 AT 11:42 MST ON JUN 17	83.8 ON JUN 17	0.878B ON APR 09	208 000	1970
1971	---	362 A ON JUL 05	0.453 ON MAR 01	498 000	1971
1972	187 AT 15:00 MST ON MAY 19 *	171 ON MAY 19	0.453B ON MAR 01	329 000	1972
1973	124 AT 14:00 MST ON JUN 17	103 ON JUN 17	0.538B ON MAR 01	220 000	1973
1974	---	231 ON JUL 14	0.813B ON APR 02	419 000	1974
1975	---	227 A ON JUN 29	0.680B ON MAR 01	250 000	1975
1976	---	186 A ON AUG 28	0.779B ON MAR 01	312 000	1976
1977	---	116 ON MAY 07	1.05 B ON MAR 25	356 000	1977
1978	---	77.0 ON JUL 12	0.657B ON MAR 22	257 000	1978
1979	---	223 ON JUL 03	0.668B ON MAR 01	406 000	1979
1980	---	35.7 ON SEP 18	0.091B ON MAR 02	211 000	1980
1981	---	36.0 ON JUL 23	0.646 ON SEP 17	111 000	1981
1982	---	151 ON AUG 05	0.290B ON MAR 19	292 000	1982
1983	---	168 ON JUL 10	0.162B ON MAR 01	302 000	1983
1984	---	218 ON JUN 08	0.750B ON MAR 16	237 000	1984
1985	---	80.1 ON JUN 26	0.290B ON MAR 01	232 000	1985
1986	---	146 ON JUL 19	0.350B ON MAR 08	345 000	1986
1987	66.8 ON AUG 02	51.8 ON AUG 02	0.800B ON MAR 01	170 000	1987
1988	---	195 ON JUL 08	0.090B ON MAR 03	263 000	1988
1989	177 ON AUG 03	143 ON AUG 03	0.400B ON MAR 04	374 000	1989
1990	35.9A ON JUN 14	35.3 ON JUN 14	1.02 B ON MAR 11	125 000	1990
				266 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD904

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	---	---	0.002	0.002	---	---	---	1983
1984	---	---	---	0.002	0.432	0.113	0.082	0.024	0.011	0.038	---	---	0.10	1984
1985	---	---	---	---	0.517	0.371	0.079	0.055	0.426	0.577	---	---	---	1985
1986	---	---	0.171	0.269	0.973	0.169	0.053	0.002	0.139	0.563	---	---	0.311	1986
1987	---	---	---	0.371	0.517	0.181	---	---	0.229	0.118	---	---	---	1987
1988	---	---	---	0.077	0.656	0.085	0.073	0.014	0.012	0.023	---	---	0.135	1988
1989	---	---	---	---	1.00	0.804	0.106	0.140	0.184	0.164	---	---	---	1989
MEAN	---	---	0.171	0.180	0.683	0.287	0.079	0.047	0.143	0.212	---	---	0.182	MEAN

LOCATION - LAT 49 08 25 N, LONG 113 51 00 W
DRAINAGE AREA, 20.5 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	1.27 AT 17:50 MST ON MAY 16	1.11 ON MAY 17	0 ON APR 01 *	1 870	1984
1985	2.33 AT 19:20 MST ON SEP 12	1.53 ON SEP 13	---	---	1985
1986	---	1.87 ON MAY 21	0 ON AUG 17	5 760	1986
1987	5.89 AT 13:30 MST ON JUL 22 *	3.58 ON JUL 22 *	0.061A ON APR 01	---	1987
1988	2.00 AT 21:36 MST ON APR 26	1.82 ON MAY 13	0.003 ON SEP 25	2 500	1988
1989	2.01 AT 19:47 MST ON MAY 07	1.83 ON MAY 07	---	---	1989
				3 380	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	2.35	4.72	4.95	4.48	3.64	2.87	2.23	---	1983
1984	1.87	1.60	1.52	1.52	1.47	1.52	2.27	3.34	3.20	2.63	2.44	2.18	2.13	1984
1985	1.84	1.51	1.43	1.53	1.36	1.33	2.24	2.90	3.49	3.66	3.72	3.17	2.35	1985
1986	2.45	1.93	1.78	1.61	2.37	2.29	4.21	4.84	5.17	4.67	4.27	3.66	3.28	1986
1987	3.05	2.39	1.84	1.93	1.64	1.84	2.94	3.46	4.11	3.96	3.47	2.68	2.78	1987
1988	2.10	1.70	1.48	1.50	1.40	1.58	2.04	3.14	3.04	3.06	2.92	2.43	2.20	1988
1989	2.13	1.63	1.44	1.91	1.92	1.92	2.59	3.55	3.89	3.97	3.76	3.06	2.65	1989
1990	2.45	1.84	1.68	1.71	9.73	12.3	6.15	5.97	4.69	4.20	3.51	2.82	4.76	1990
MEAN	2.27	1.80	1.60	1.67	2.84	3.14	3.40	4.02	4.01	3.72	3.37	2.78	2.88	MEAN

LOCATION - LAT 51 16 15 N, LONG 114 55 18 W
DRAINAGE AREA, 486 km^2
REGULATED SINCE 1941

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	14.7 AT 11:23 MST ON JUL 03	10.8 ON JUL 03	---	---	1983
1984	3.93 AT 04:14 MST ON SEP 12	3.57 ON SEP 12	1.29 ON JUN 04	67 500	1984
1985	11.7 AT 23:58 MST ON SEP 12	8.57 ON SEP 13	1.19 ON MAY 21 *	74 200	1985
1986	9.17 AT 11:25 MST ON JUL 17	7.74 ON JUL 17	1.45 ON APR 28	103 000	1986
1987	10.0 AT 00:25 MST ON JUL 22	8.82 ON JUL 22	1.36E ON MAR 28	87 600	1987
1988	22.5 AT 03:14 MST ON AUG 16	9.19 ON AUG 16	1.22 ON MAR 30	69 600	1988
1989	4.55 AT 09:30 MST ON AUG 17	4.25 ON AUG 17	1.33B ON MAR 17	83 600	1989
1990	202 AT 21:12 MST ON MAY 25 *	75.6 ON MAY 25 *	1.49 ON APR 25	150 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		90 800	MEAN

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	3.48	---	---	---	---	1947
1949	---	---	---	---	2.36	3.29	2.24	1.29	1.55	1.21	0.881	0.672	---	1949
1950	0.602	0.556	0.519	0.487	1.81	8.45	5.43	2.68	1.30	0.992	0.672	0.581	2.01	1950
1951	0.545	0.482	0.435	0.412	3.95	1.65	2.13	1.55	4.94	2.39	1.42	0.865	1.91	1951
1952	0.677	0.597	0.718	0.882	3.57	3.80	6.02	3.77	1.99	1.33	0.894	0.625	2.08	1952
1953	0.582	0.566	0.495	0.486	2.16	0.166	1.68	2.30	1.50	1.07	0.846	0.692	1.05	1953
1954	0.702	0.592	0.573	0.484	3.10	3.48	2.90	4.14	2.83	2.08	1.36	0.857	1.93	1954
1955	---	---	---	0.276	1.58	3.70	4.93	1.87	1.40	1.15	1.02	---	---	1955
1956	---	---	---	0.579	4.20	4.36	5.27	2.44	1.77	1.13	0.822	0.708	---	1956
1957	---	---	0.508	0.557	5.39	5.43	2.69	1.93	1.84	1.86	1.24	---	---	1957
1958	---	---	---	0.542	6.25	6.48	6.85	2.37	2.26	1.44	0.927	---	---	1958
1959	---	---	---	0.593	2.45	6.75	4.16	2.48	2.19	1.63	1.12	---	---	1959
1960	---	---	---	0.550	2.06	6.19	3.64	2.52	1.40	1.20	0.841	---	---	1960
1961	---	---	---	0.452	1.62	2.41	3.09	2.88	1.66	1.97	1.40	---	---	1961
1962	---	---	---	0.681	1.53	5.69	4.17	2.21	1.86	1.16	0.858	---	---	1962
1963	---	---	---	0.479	2.62	6.46	7.55	3.11	2.70	1.55	1.00	---	---	1963
1964	---	---	---	0.527	1.87	1.92	5.25	1.54	1.86	1.63	0.977	---	---	1964
1965	---	---	---	0.567	2.06	2.84	0.851	4.30	4.07	2.60	1.42	---	---	1965
1966	---	---	---	0.584	3.12	2.14	4.84	2.56	1.64	1.33	---	---	---	1966
1967	---	---	---	0.497	2.39	0.181	2.76	2.07	1.21	0.928	0.758	---	---	1967
1968	---	---	---	0.456	2.29	6.92	4.45	2.86	1.98	1.75	1.01	---	---	1968
MEAN	0.622	0.559	0.541	0.531	2.82	4.12	4.03	2.64	2.16	1.52	1.02	0.714	1.80	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1949	---	6.85 ON MAY 22	---	---	1949
1950	---	29.4 ON JUN 15 *	0.453 ON APR 19	63 400	1950
1951	---	10.7 ON MAY 23	0.142 ON JUN 29	60 100	1951
1952	---	9.66 ON MAY 18	0.142E ON JUN 28	65 900	1952
1953	---	6.48 ON MAY 19	0.125 ON JUL 16 *	33 200	1953
1954	---	13.5 ON JUN 11	0.198E ON SEP 04	61 000	1954
1955	---	10.9 ON JUN 13	---	---	1955
1956	---	11.8 ON MAY 19	---	---	1956
1957	---	9.34 ON MAY 20	---	---	1957
1958	---	10.0 ON JUL 01	---	---	1958
1959	---	8.95 ON MAY 18	---	---	1959
1960	---	9.40 ON JUN 02	---	---	1960
1961	---	10.9 ON MAY 22	---	---	1961
1962	---	9.46 ON JUL 08	---	---	1962
1963	---	11.3 ON JUL 25	---	---	1963
1964	---	11.0 ON JUL 04	---	---	1964
1965	---	10.1 ON JUN 10	---	---	1965
1966	---	9.15 ON MAY 12	---	---	1966
1967	---	8.33 ON MAY 29	---	---	1967
1968	---	9.63 ON JUN 10	---	---	1968
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		56 700	MEAN

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	---	2.43	0.716	0	0	0	---	1941
1942	0	0	0	0	2.61	5.55	3.00	0.553	1.58	0.311	0.089	0	1.14	1942
1943	0	0	0	0	1.14	4.43	6.19	0.805	0.955	0.710	0.342	0.023	1.22	1943
1944	0	0	0	0	2.22	4.50	1.73	2.87	1.32	0.982	0.600	0.313	1.21	1944
1945	0	0	0	0	3.21	7.74	3.16	1.70	1.16	1.52	0.191	0	1.56	1945
1946	0	0	0	0	2.47	4.13	2.40	2.14	2.70	1.26	0.900	0.128	1.35	1946
1947	0	0	0	0.274	2.96	5.23	2.70	2.56	2.42	1.08	0.471	0	1.48	1947
1949	0	0	0	0.021	1.60	1.82	1.28	0.753	1.05	1.02	0.696	0.099	0.699	1949
1950	0	0	0	0.058	1.02	7.99	3.21	1.59	1.13	0.820	0.149	0	1.33	1950
1951	0	0	0	0	2.71	7.10	6.99	2.78	4.37	1.04	0.554	0.049	2.14	1951
1952	0	0	0	0	1.75	7.70	4.28	2.31	1.00	0.633	0.309	0	1.50	1952
1953	0	0	0	0	1.93	10.8	4.63	1.59	1.15	0.808	0.476	0.082	1.79	1953
1954	0	0	0	0	2.38	8.53	5.70	5.80	2.51	1.54	0.775	0.070	2.29	1954
1955	0	0	0	0	0.797	6.34	3.94	1.31	1.09	0.848	0.218	0	1.21	1955
1956	0	0	0	0.046	4.03	4.98	4.19	1.96	1.22	0.659	0.370	0.016	1.46	1956
1957	0	0	0	0.037	4.66	4.58	1.99	1.22	1.13	1.13	0.624	0.198	1.31	1957
1958	0	0	0	0	5.02	5.29	5.61	1.57	1.52	0.848	0.284	0	1.69	1958
1959	0	0	0	0	1.49	5.63	3.13	1.68	1.62	1.25	0.340	0.074	1.27	1959
1960	0	0	0	0	1.09	4.32	2.46	1.75	0.850	0.698	0.159	0	0.945	1960
1961	0	0	0	0.001	3.99	3.94	2.28	1.99	1.02	1.28	0.672	0	1.27	1961
1962	0	0	0	0	1.28	4.43	3.23	1.58	1.18	0.621	0.348	0	1.06	1962
1963	0	0	0	0	1.56	6.75	5.55	2.11	1.83	0.999	0.288	0	1.60	1963
1964	0	0	0	0	1.03	9.65	4.21	0.872	1.09	0.929	0.412	0	1.51	1964
1965	0	0	0	0	1.23	10.3	4.81	3.84	3.17	1.87	0.982	0.197	2.21	1965
1966	0	0	0	0	2.84	3.55	4.14	1.94	1.20	0.971	0.314	0	1.26	1966
1967	0	0	0	0	3.19	8.25	2.60	1.38	0.810	0.512	0.350	0.015	1.43	1967
1968	0	0	0	0	1.48	5.81	3.60	2.25	1.50	1.43	0.490	0	1.38	1968
1969	0	0	0	0.138	4.20	7.45	6.41	1.55	0.679	0.374	0.151	0	1.76	1969
1970	0	0	0	0	1.63	8.30	2.49	0.993	0.715	0.577	0.276	0	1.25	1970
1971	0	0	0	0.001	2.94	6.92	2.27	0.748	0.816	0.823	0.299	0	1.24	1971
1972	0	0	0	0	3.05	8.92	4.95	2.27	1.97	1.41	0.610	0	1.93	1972
1973	0	0	0.008	0.088	4.14	7.61	3.50	1.62	2.17	1.07	0.245	0	1.73	1973
1974	0	0	0	0.002	1.34	11.0	4.20	2.74	2.10	1.05	0.530	0.051	1.92	1974
1975	0	0	0	0	0.463	3.58	2.70	1.98	1.13	0.801	0.414	0	0.926	1975
1976	0	0	0	0	2.58	3.46	2.97	1.94	1.28	1.09	0.485	0.027	1.16	1976
1977	0	0	0	0	2.04	3.37	1.79	2.95	1.82	1.23	0.387	0	1.14	1977
1978	---	---	---	---	1.85	6.47	3.81	2.29	1.60	0.970	---	---	---	1978
1979	0	0	0	0	1.32	3.46	1.62	1.01	0.762	0.401	0.161	0	0.729	1979
1980	0	0	0	0.168	2.64	6.08	1.46	1.31	1.21	0.835	0.526	0.011	1.18	1980
1981	0	0	0	0	6.01	4.90	6.81	2.84	1.07	0.662	0.444	0.036	1.92	1981
1982	0	0	0	0	0.781	6.40	2.91	1.12	1.05	1.11	0.514	0.012	1.16	1982
1983	0	0	0	0.104	2.97	4.27	4.04	1.44	0.994	0.663	0.369	0.045	1.25	1983
1984	0	0	0	0	0.628	4.70	1.72	1.14	0.984	1.31	0.332	0	0.899	1984
1985	0	0	0	0.036	1.71	2.78	1.40	3.27	3.34	1.25	0.245	0	1.17	1985
1986	0	0	0	0	3.43	5.09	3.79	2.07	0.650	0	0	0	1.26	1986
1987	0	0	0	0.051	1.00	1.24	1.36	3.77	1.83	0.792	0.364	0.037	1.05	1987
1988	0	0	0	0	0.999	2.85	1.76	3.18	1.60	1.51	0.660	0.128	1.06	1988
1989	---	---	---	0.042	1.36	4.43	2.43	4.05	4.27	1.30	0.658	0.186	---	1989
1990	0	0	0	0.094	1.32	5.06	5.68	2.57	1.33	0.884	0.281	0	1.44	1990
MEAN	0	0	0	0.025	2.25	5.79	3.52	2.05	1.52	0.936	0.403	0.037	1.38	MEAN

LOCATION - LAT 51 17 00 N
LONG 115 10 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 05BG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	0 ON AUG 01 *	---	1941
1942	---	14.0 ON JUN 29	0 ON JAN 01	36 100	1942
1943	---	13.4 ON JUL 14	0 ON JAN 01	38 600	1943
1944	---	11.2 E ON MAY 28	0 ON JAN 01	38 400	1944
1945	---	22.7 ON MAY 30	0 ON JAN 01	49 200	1945
1946	---	20.4 ON MAY 28	0 ON JAN 01	42 500	1946
1947	---	13.8 ON JUN 09	0 ON JAN 01	46 700	1947
1949	---	5.72E ON MAY 21	0 ON JAN 01	22 000	1949
1950	---	28.0 E ON JUN 16	0 ON JAN 01	41 900	1950
1951	---	23.0 ON JUN 14	0 ON JAN 01	67 500	1951
1952	---	18.8 ON JUN 23	0 ON JAN 01	47 400	1952
1953	---	37.1 ON JUN 13	0 ON JAN 01	56 500	1953
1954	---	23.5 ON AUG 25	0 ON JAN 01	72 100	1954
1955	---	20.0 ON JUN 12	0 ON JAN 01	38 300	1955
1956	---	15.8 ON MAY 20	0 ON JAN 01	46 200	1956
1957	---	8.50 ON MAY 20	0 ON JAN 01	41 200	1957
1958	---	8.58 ON JUL 01	0 ON JAN 01	53 300	1958
1959	---	8.13 ON JUN 13	0 ON JAN 01	40 100	1959
1960	---	6.57 ON JUN 02	0 ON JAN 01	29 900	1960
1961	---	15.0 ON MAY 27	0 ON JAN 01	40 100	1961
1962	---	6.34 ON JUL 08	0 ON JAN 01	33 400	1962
1963	---	13.1 ON JUN 29	0 ON JAN 01	50 400	1963
1964	---	30.3 ON JUN 08	0 ON JAN 01	47 800	1964
1965	---	40.8 ON JUN 17	0 ON JAN 01	69 600	1965
1966	---	15.2 ON JUL 03	0 ON JAN 01	39 600	1966
1967	---	28.6 ON MAY 31	0 ON JAN 01	45 000	1967
1968	---	9.68 ON JUN 02	0 ON JAN 01	43 700	1968
1969	---	19.5 ON JUL 04	0 ON JAN 01	55 400	1969
1970	---	45.9 ON JUN 16 *	0 ON JAN 01	39 300	1970
1971	---	24.2 ON JUN 06	0 ON JAN 01	39 000	1971
1972	---	10.5 ON JUN 24	0 ON JAN 01	61 100	1972
1973	---	14.5 ON JUN 24	0 ON JAN 01	54 400	1973
1974	---	25.2 ON JUN 16	0 ON JAN 01	60 400	1974
1975	---	7.19 ON JUN 20	0 ON JAN 01	29 200	1975
1976	---	8.27 ON AUG 05	0 ON JAN 01	36 600	1976
1977	---	7.70 ON JUN 08	0 ON JAN 01	35 900	1977
1978	---	11.6 ON JUN 05	0 ON APR 25	---	1978
1979	---	8.18 ON MAY 27	0 ON JAN 01	23 000	1979
1980	---	11.1 ON JUN 10	0 ON JAN 01	37 500	1980
1981	---	27.2 ON MAY 26	0 ON JAN 01	60 500	1981
1982	---	10.1 ON JUN 16	0 ON JAN 01	36 500	1982
1983	---	14.5 ON JUL 03	0 ON JAN 01	39 400	1983
1984	---	8.72 ON MAY 30	0B ON JAN 01	28 400	1984
1985	---	6.77 ON SEP 13	0B ON JAN 01	37 000	1985
1986	---	19.6 ON MAY 27	0B ON JAN 01	39 800	1986
1987	---	7.19 ON JUL 22	0 ON JAN 01	33 000	1987
1988	---	7.36 ON JUN 08	0 ON JAN 01	33 500	1988
1989	---	7.70 ON AUG 19	0 ON APR 01	---	1989
1990	---	8.55 ON JUN 17	0 ON JAN 01	45 500	1990
				43 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	1.59	4.06	3.17	1.48	0.885	0.767	---	1941
1942	0.569	0.478	0.382	0.333	4.30	8.82	6.60	3.35	4.10	1.73	0.923	0.751	3.77	1942
1943	0.608	0.465	0.458	0.761	2.73	6.27	7.90	2.15	1.26	0.946	0.650	0.502	2.84	1943
1944	0.481	0.460	0.444	0.444	3.54	6.98	3.43	4.54	1.87	1.12	0.788	0.608	2.84	1944
1945	0.537	0.481	0.439	0.381	3.82	10.9	5.39	3.12	2.56	2.37	1.22	0.906	3.72	1945
1946	0.683	0.510	0.453	0.466	3.42	6.64	3.08	2.73	3.79	1.81	1.13	0.805	2.88	1946
1947	0.659	0.564	0.519	0.816	4.72	7.50	3.80	3.26	3.48	2.13	1.36	0.960	3.38	1947
1948	---	---	---	---	---	---	---	---	---	2.13	1.36	---	---	1948
1949	---	---	---	---	2.56	3.73	2.24	1.29	1.55	1.21	0.881	0.672	---	1949
1950	0.602	0.556	0.519	0.487	1.81	11.4	5.43	2.68	1.30	0.992	0.672	0.581	3.09	1950
1951	0.545	0.482	0.435	0.441	4.78	9.84	9.65	4.30	6.89	2.39	1.41	0.865	4.99	1951
1952	0.678	0.596	0.719	0.883	3.64	10.5	6.26	3.79	1.99	1.34	0.895	0.621	3.66	1952
1953	0.584	0.565	0.494	0.488	3.53	16.8	8.61	2.31	1.50	1.07	0.846	0.692	4.38	1953
1954	0.702	0.592	0.573	0.484	3.47	11.8	8.10	7.75	4.51	2.10	1.36	0.857	4.96	1954
1955	---	---	---	0.480	1.63	9.72	6.03	1.87	1.40	1.15	1.02	---	2.91	1955
1956	---	---	---	0.579	5.79	7.25	5.43	2.44	1.77	1.13	0.822	0.708	3.16	1956
1957	---	---	0.508	0.559	5.43	5.48	2.69	1.93	1.84	1.86	1.24	---	2.63	1957
1958	---	---	---	0.542	6.77	6.61	7.34	2.37	2.27	1.44	0.930	---	3.55	1958
1959	---	---	---	0.593	2.47	7.65	4.21	2.48	2.19	1.64	1.12	---	2.79	1959
1960	---	---	---	0.550	2.07	6.46	3.74	2.61	1.40	1.20	0.841	---	2.36	1960
1961	---	---	---	0.452	6.35	5.95	3.13	2.88	1.66	1.97	1.40	---	2.98	1961
1962	---	---	---	0.681	2.72	5.72	4.35	2.21	1.86	1.16	0.858	---	2.45	1962
1963	---	---	---	0.479	2.66	10.1	8.45	3.15	2.72	1.55	1.00	---	3.77	1963
1964	---	---	---	0.527	2.22	14.2	6.29	1.54	1.86	1.63	0.977	---	3.65	1964
1965	---	---	---	0.567	2.14	14.4	9.07	5.58	4.07	2.60	1.42	---	4.98	1965
1966	---	---	---	0.584	4.86	6.33	5.80	2.57	1.64	1.33	---	---	---	1966
1967	---	---	---	0.497	4.64	13.0	4.15	2.07	1.21	0.928	0.758	---	3.40	1967
1968	---	---	---	0.456	2.38	7.47	4.45	2.86	1.98	1.75	1.01	---	2.80	1968
1969	---	---	---	0.669	6.00	10.1	8.95	2.27	1.31	1.05	0.819	---	3.90	1969
1970	---	---	---	0.433	2.40	10.1	3.19	1.35	0.945	0.806	0.684	---	2.47	1970
1971	---	---	---	0.461	4.23	9.07	3.49	1.65	1.30	1.20	0.898	---	2.78	1971
1972	---	---	---	0.504	4.37	12.8	6.52	3.04	2.21	1.53	1.07	---	4.01	1972
1973	---	---	---	0.571	6.00	10.4	4.26	2.20	2.42	1.31	0.932	---	3.51	1973
1974	---	---	---	0.589	2.34	15.2	5.16	3.07	2.37	1.34	0.903	---	3.86	1974
1975	---	---	---	0.471	1.29	5.33	4.02	2.73	1.63	1.15	0.846	---	2.18	1975
1976	---	---	---	0.537	3.78	4.56	4.11	3.11	2.73	1.55	1.01	---	2.94	1976
1977	---	---	---	0.518	3.26	5.11	2.49	3.86	2.41	1.70	1.05	---	2.55	1977
1978	---	---	---	0.566	2.65	9.05	5.03	3.05	2.25	1.53	1.10	---	3.15	1978
1979	---	---	---	0.487	2.38	4.66	2.57	1.83	1.34	0.968	0.811	---	1.88	1979
1980	---	---	---	0.776	4.26	9.05	1.99	2.15	2.07	1.34	0.877	---	2.81	1980
1981	---	---	---	0.475	9.03	7.47	11.0	4.50	1.79	1.19	0.878	---	4.57	1981
1982	---	---	---	0.460	1.46	8.75	3.75	1.51	1.33	1.36	0.885	---	2.43	1982
1983	---	---	---	0.608	4.53	5.32	5.36	1.77	1.30	0.952	0.747	---	2.58	1983
1984	---	---	---	0.499	1.39	6.74	2.21	1.45	1.26	1.71	0.881	---	2.01	1984
1985	---	---	---	0.465	2.43	3.48	1.79	4.05	5.01	1.72	0.819	---	2.47	1985
1986	---	---	---	0.510	5.27	6.97	5.35	2.75	2.19	3.08	1.57	---	3.47	1986
1987	---	---	---	0.570	2.44	2.92	5.26	4.73	2.40	1.35	0.836	---	2.58	1987
1988	---	---	---	0.500	2.07	3.57	2.24	4.26	2.05	1.98	1.07	---	2.22	1988
1989	---	---	---	0.560	2.09	5.67	2.78	5.67	4.73	1.49	0.935	---	2.99	1989
1990	---	---	---	0.587	9.87	15.5	7.10	3.02	1.62	1.22	0.771	---	4.96	1990
MEAN	0.604	0.523	0.495	0.539	3.71	8.40	5.02	3.02	2.30	1.51	0.983	0.735	3.22	MEAN

LOCATION - LAT 51 18 00 N LONG 115 11 00 W

DRAINAGE AREA, 211 km² NATURAL FLOW

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	18.6 AT 21:00 MST ON JUN 28	15.7 ON JUN 29	0.314E ON APR 10	79 600	1942
1943	19.9 AT 01:30 MST ON JUL 14	14.8 ON JUL 14	0.453E ON APR 01	59 900	1943
1944	24.7 AT 21:30 MST ON MAY 28	13.8 ON MAY 28	0.292 ON MAY 08 *	60 000	1944
1945	37.7 AT 23:00 MST ON MAY 30	24.7 ON MAY 30	0.351A ON APR 30	78 500	1945
1946	43.3 AT 16:30 MST ON MAY 28	22.8 ON MAY 28	0.425E ON APR 01	60 700	1946
1947	20.4 AT 03:00 MST ON MAY 10	16.3 ON JUN 09	0.538B ON APR 01	71 400	1947
1948	---	---	---	---	1948
1949	11.0 AT 12:30 MST ON MAY 21	7.79 ON MAY 21	---	---	1949
1950	---	39.4 E ON JUN 16	0.453 ON APR 19	65 100	1950
1951	43.9 ON JUN 14	27.8 ON JUN 14	0.360 ON APR 20	105 000	1951
1952	---	24.7 ON JUN 23	0.765 ON NOV 30	77 200	1952
1953	176 ON JUN 13 *	57.5 ON JUN 13	0.453 ON APR 01	92 400	1953
1954	39.1 AT 16:30 MST ON AUG 25	30.0 ON AUG 25	0.425 ON APR 30	105 000	1954
1955	48.4 AT 22:30 MST ON JUN 11	27.2 ON JUN 12	0.430 ON APR 27	61 400	1955
1956	36.8E AT 21:00 MST ON MAY 20	20.1 E ON MAY 20	0.462 ON APR 03	66 600	1956
1957	11.8 AT 03:00 MST ON MAY 20	9.63 ON JUN 08	0.456 ON APR 01	55 500	1957
1958	13.8 AT 20:45 MST ON MAY 20	11.7 ON JUL 01	0.490 ON APR 06	74 800	1958
1959	14.8 AT 22:00 MST ON JUN 12	11.8 ON JUN 13	0.524 ON APR 01	58 900	1959
1960	14.4 AT 23:30 MST ON JUN 02	10.9 ON JUN 02	0.507 ON APR 01	49 700	1960
1961	31.1 AT 22:00 MST ON MAY 23	20.6 ON MAY 27	0.394 ON APR 28	62 900	1961
1962	14.3 AT 23:00 MST ON JUL 07	10.5 ON JUL 08	0.493 ON APR 09	51 600	1962
1963	35.4 AT 20:00 MST ON JUN 29	19.5 ON JUN 30	0.413 ON APR 10	79 500	1963
1964	47.6 AT 11:00 MST ON JUN 08	36.2 ON JUN 08	0.507 ON APR 13	76 900	1964
1965	---	46.2 ON JUN 17	0.453E ON APR 01	105 000	1965
1966	26.3 AT 11:00 MST ON JUL 03	21.9 ON JUL 03	---	---	1966
1967	40.7 AT 24:00 MST ON MAY 30	34.8 ON MAY 31	0.481E ON APR 01	71 700	1967
1968	23.5 AT 20:30 MST ON JUN 02	13.0 ON JUN 02	0.425 ON APR 23	59 000	1968
1969	29.2 AT 22:00 MST ON JUL 04	25.0 ON JUL 04	0.456 ON APR 01	82 300	1969
1970	65.7 AT 11:00 MST ON JUN 16	47.6 ON JUN 16	0.422 ON APR 05	52 200	1970
1971	---	30.0 ON JUN 06	0.377 ON APR 01	58 700	1971
1972	---	24.9 ON JUN 24	0.453 ON APR 25	84 500	1972
1973	---	20.2 ON JUN 24	0.538 ON APR 01	74 100	1973
1974	---	32.6 ON JUN 16	0.496 ON APR 01	81 300	1974
1975	---	10.7 ON JUN 22	0.453E ON APR 01	46 100	1975
1976	---	13.5 ON AUG 05	0.467 ON APR 02	61 900	1976
1977	19.7 AT 23:10 MST ON JUN 01	12.5 ON JUN 08	0.510 ON APR 01	53 800	1977
1978	25.3 AT 23:15 MST ON JUN 05	17.2 ON JUN 05	0.481 ON APR 01	66 400	1978
1979	---	12.0 ON MAY 27	0.453 ON APR 01	39 700	1979
1980	---	16.3 ON JUN 10	0.396 ON APR 01	59 200	1980
1981	---	35.0 ON MAY 26	0.453 ON APR 05	96 300	1981
1982	---	14.9 ON JUN 16	0.425 ON APR 01	51 300	1982
1983	---	20.6 ON JUL 03	0.425 ON APR 01	54 400	1983
1984	---	13.8 ON MAY 30	0.425 ON APR 01	42 400	1984
1985	---	19.6 ON SEP 13	0.396 ON APR 01	52 100	1985
1986	---	26.3 ON MAY 27	0.481 ON MAY 03	73 200	1986
1987	---	18.5 ON JUL 22	0.396E ON NOV 26	54 300	1987
1988	---	14.2 ON JUN 08	0.453E ON APR 01	46 900	1988
1989	---	15.1 ON AUG 19	0.510B ON APR 01	63 100	1989
1990	---	79.9 ON MAY 25 *	0.453E ON APR 01	105 000	1990
				68 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	14.3	8.24	---	---	---	1911
1912	3.61	2.82	3.26	3.67	10.1	8.49	30.4	18.5	15.4	11.2	7.88	5.54	10.1	1912
1913	4.18	3.74	3.07	6.00	8.94	10.3	15.7	12.1	9.99	8.19	6.52	5.34	7.88	1913
1914	3.62	3.02	3.19	4.05	4.80	7.59	7.87	6.89	5.84	6.44	5.49	3.20	5.18	1914
1915	3.04	2.68	2.70	3.83	9.46	36.8	41.2	27.9	16.3	11.8	8.89	6.90	14.4	1915
1916	3.58	3.10	4.03	9.63	9.24	41.5	25.4	21.5	21.5	16.0	9.24	6.15	14.2	1916
1917	4.47	3.28	2.50	4.61	27.5	60.1	20.8	7.03	9.42	6.64	5.27	3.79	12.9	1917
1918	3.19	2.57	2.94	4.21	5.58	9.51	6.97	8.35	7.60	5.46	4.74	3.87	5.43	1918
1919	2.91	1.77	2.08	8.49	5.42	3.33	3.74	11.5	6.05	5.38	4.53	2.24	4.80	1919
1920	2.10	1.77	1.44	3.64	17.7	7.80	21.5	10.4	6.60	---	---	---	---	1920
1928	---	---	---	---	---	---	---	---	---	---	---	5.07	---	1928
1929	3.22	2.08	2.58	5.30	11.5	35.0	9.19	6.91	6.04	5.36	3.04	2.82	7.75	1929
1930	2.52	2.66	2.18	5.28	9.58	14.4	11.4	8.09	7.00	5.80	4.41	3.54	6.41	1930
1931	2.99	3.47	2.55	3.75	4.52	5.32	5.72	6.03	5.64	4.92	3.95	3.28	4.35	1931
1932	3.06	2.75	3.03	3.47	8.39	32.6	10.4	8.88	8.15	6.88	5.48	4.07	8.08	1932
1933	2.87	2.46	2.24	6.79	10.6	9.69	7.60	7.10	6.35	5.48	5.17	3.30	5.91	1933
1934	2.54	2.49	2.48	2.95	4.14	5.11	5.25	4.89	4.81	3.78	3.38	2.82	3.73	1934
1935	2.24	2.41	2.44	2.49	3.60	5.14	5.27	6.74	6.05	4.58	3.61	3.31	4.00	1935
1936	2.71	2.28	2.52	3.63	3.90	5.43	3.98	4.70	4.31	3.41	3.04	2.60	3.52	1936
1937	1.95	1.60	1.81	2.08	3.31	7.70	7.18	6.89	6.23	5.74	4.68	3.43	4.40	1937
1938	2.68	1.89	1.76	2.91	6.32	7.21	14.1	8.32	6.13	5.17	4.22	3.93	5.42	1938
1939	3.08	2.09	4.12	3.42	2.59	14.7	10.0	6.85	6.20	5.38	4.30	3.36	5.52	1939
1940	2.62	2.14	2.43	4.75	5.28	4.55	6.21	5.16	4.48	5.03	4.34	3.77	4.24	1940
1941	3.12	2.93	2.17	2.45	3.62	5.11	3.98	6.42	5.97	6.14	5.32	4.27	4.30	1941
1942	4.06	3.47	2.98	2.90	7.51	10.2	12.3	12.3	12.0	8.74	6.41	5.13	7.36	1942
1943	3.99	3.20	6.93	8.71	6.48	9.57	9.96	7.92	6.70	5.76	4.53	3.49	6.45	1943
1944	2.92	2.22	2.23	3.08	3.78	6.86	6.27	8.67	6.67	5.56	4.34	2.98	4.64	1944
1945	2.79	1.85	2.52	3.14	10.4	12.4	9.91	8.43	7.90	7.63	5.72	4.64	6.47	1945
1946	3.86	3.65	3.41	5.30	4.99	9.08	8.24	8.14	8.98	7.17	6.07	5.30	6.19	1946
1947	4.01	2.04	4.06	8.04	11.4	17.9	11.0	11.5	9.61	8.37	6.52	5.92	8.40	1947
1948	2.55	3.74	2.86	8.81	25.5	20.5	16.5	16.2	8.63	6.44	5.12	4.04	10.4	1948
1949	2.63	1.93	2.16	5.19	4.04	4.60	4.66	4.25	4.34	4.21	3.12	2.88	3.67	1949
1950	1.48	0.977	1.24	3.98	5.60	7.38	7.45	8.16	6.35	5.16	3.40	2.25	4.47	1950
1951	1.92	1.98	2.12	3.14	9.76	18.0	16.6	14.8	23.4	13.4	9.13	6.60	10.1	1951
1952	5.11	4.42	3.49	16.5	7.99	29.0	16.9	12.7	9.17	7.68	6.10	4.10	10.2	1952
1953	3.07	2.01	2.76	4.89	13.2	29.3	15.4	10.6	7.98	6.41	4.96	3.85	8.72	1953
1954	2.55	1.94	2.68	3.97	10.9	16.0	11.1	21.2	15.0	11.5	8.32	5.81	9.29	1954
1955	3.47	3.11	2.95	4.78	9.53	8.92	12.9	8.80	6.38	5.22	3.68	3.12	6.09	1955
1956	2.40	2.57	2.36	4.09	6.08	5.87	8.48	7.43	6.41	4.96	3.73	3.08	4.80	1956
1957	2.52	2.25	2.22	4.35	7.07	7.29	6.18	6.43	6.08	5.64	4.61	3.50	4.86	1957
1958	3.22	2.44	2.31	4.58	7.92	9.67	17.2	9.05	8.29	5.89	4.74	3.99	6.64	1958
1959	2.29	2.10	2.73	3.95	6.00	10.3	9.57	8.74	8.02	7.26	5.96	4.25	5.95	1959
1960	3.68	2.88	5.50	4.70	5.94	5.60	5.57	6.63	5.17	4.58	3.61	2.74	4.73	1960
1961	2.46	1.82	1.43	2.64	8.66	5.42	7.11	7.23	6.42	6.51	4.52	3.59	4.84	1961
1962	2.60	2.17	2.34	6.10	6.07	5.87	7.25	6.43	6.16	4.86	3.95	3.03	4.81	1962
1963	2.58	2.40	2.36	3.72	3.29	7.70	9.97	7.94	6.93	5.49	4.51	3.78	5.05	1963
1964	2.77	2.64	2.35	3.17	6.96	11.4	9.55	6.83	6.33	5.46	4.13	1.31	5.24	1964
1965	1.06	2.30	2.15	3.49	4.27	15.9	20.9	16.1	13.5	10.3	6.86	5.32	8.56	1965
1966	4.14	3.27	4.24	3.81	7.37	8.66	10.4	10.0	6.83	6.06	4.91	3.58	6.13	1966
1967	3.13	2.84	2.93	3.40	15.3	20.5	10.5	8.28	6.01	4.55	3.58	3.08	7.07	1967
1968	2.32	2.21	2.67	2.81	3.88	6.48	6.45	7.94	6.83	6.47	4.84	4.28	4.77	1968
1969	2.93	2.08	2.10	5.86	9.98	14.2	23.1	10.1	7.45	6.10	4.73	3.60	7.73	1969
1970	2.08	1.66	1.75	5.34	6.42	11.9	7.99	5.75	5.26	4.41	3.51	2.53	4.89	1970
1971	2.09	2.02	1.89	3.17	3.89	8.02	5.51	5.69	5.16	4.59	3.43	2.52	4.00	1971
1972	2.30	1.94	2.51	3.79	6.43	11.1	11.4	8.60	7.57	6.25	4.80	3.74	5.88	1972
1973	3.31	3.08	2.75	4.16	12.1	12.5	8.35	7.57	6.39	5.08	4.15	3.47	6.09	1973
1974	2.64	2.60	2.30	5.09	11.2	12.7	7.51	8.16	6.74	5.80	4.87	3.90	6.14	1974
1975	2.98	2.24	2.17	3.33	4.66	4.36	5.02	5.67	4.99	4.55	3.80	3.19	3.92	1975
1976	2.54	2.26	2.19	3.41	4.08	3.93	4.55	8.48	6.75	5.61	4.60	4.24	4.39	1976
1977	3.37	2.65	2.30	2.79	4.52	4.05	4.16	5.73	5.63	5.12	4.30	3.29	3.99	1977
1978	2.55	2.36	2.69	5.75	6.29	7.87	6.57	8.47	7.62	6.08	5.11	4.07	5.63	1978
1979	2.23	2.06	2.90	3.82	5.96	4.66	4.62	5.56	4.56	3.74	2.84	2.53	3.80	1979
1980	2.00	2.03	2.01	4.28	3.93	9.69	6.35	6.69	5.96	4.68	4.04	3.38	4.58	1980
1981	2.63	2.15	2.27	2.43	14.3	11.9	15.6	14.4	8.43	6.51	4.88	3.25	7.44	1981
1982	2.46	1.91	1.69	3.26	4.75	7.11	7.01	6.21	6.30	5.39	3.54	3.07	4.40	1982
1983	2.47	2.28	2.13	4.72	---	---	---	---	---	---	---	---	---	1983
MEAN	2.94	2.47	2.66	4.55	7.85	12.4	10.8	9.22	7.88	6.38	4.89	3.79	6.31	MEAN

LOCATION - LAT 51 15 40 N DRAINAGE AREA, 911 km²
LONG 114 45 50 W REGULATED

GHOST RIVER NEAR COCHRANE - STATION NO. 05BG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON JUL 08	2.14 ON APR 22	320 000	1912
1913	---	34.8 E ON JUN 27	2.49 B ON MAR 31	249 000	1913
1914	---	9.85 ON JUN 13	2.58 B ON FEB 05	163 000	1914
1915	---	239 ON JUN 26	2.55 B ON FEB 27	453 000	1915
1916	---	106 ON JUN 20	2.83 B ON FEB 03	450 000	1916
1917	---	110 ON JUN 01	2.41 B ON FEB 21	406 000	1917
1918	---	19.4 A ON JUN 08	1.84 B ON MAR 05	171 000	1918
1919	---	70.8 E ON AUG 05	1.22 B ON FEB 28	151 000	1919
1920	---	49.8 A ON MAY 08	1.02 B ON APR 04	---	1920
1928	---	---	---	---	1928
1929	374 AT 01:00 MST ON JUN 02	227 ON JUN 03	1.98 B ON FEB 19	245 000	1929
1930	51.5 AT 12:00 MST ON JUN 20	19.4 ON JUN 20	1.93 B ON MAR 14	202 000	1930
1931	14.5 AT 21:30 MST ON JUN 17	10.6 ON JUN 19	2.27 B ON MAR 11	117 000	1931
1932	394 AT 14:30 MST ON JUN 02 *	289 ON JUN 02 *	2.46 B ON FEB 01	255 000	1932
1933	34.5 AT 09:00 MST ON JUN 16	19.1 ON JUN 16	1.78 B ON DEC 26	186 000	1933
1934	8.69 AT 05:00 MST ON JUN 09	7.93 ON JUN 09	2.27 B ON FEB 25	118 000	1934
1935	24.5 AT 10:00 MST ON JUN 29	9.51 ON JUN 30	1.84 B ON JAN 19	126 000	1935
1936	13.8 AT 13:00 MST ON JUN 15	8.69 ON JUN 10	2.18 B ON FEB 19	111 000	1936
1937	38.5 AT 23:00 MST ON JUN 14	19.9 ON JUN 15	1.50 B ON FEB 07	139 000	1937
1938	51.5 AT 24:00 MST ON JUL 02	32.6 ON JUL 03	1.59 B ON FEB 16	171 000	1938
1939	50.4 AT 01:00 MST ON JUN 17	33.4 ON JUN 30	1.47 B ON MAR 16	174 000	1939
1940	12.5 AT 11:00 MST ON JUL 27	11.8 ON JUL 27	2.01 B ON FEB 26	134 000	1940
1941	41.3 AT 10:45 MST ON AUG 25	23.6 ON AUG 25	1.78 B ON MAR 20	136 000	1941
1942	32.8 AT 13:00 MST ON JUL 30	28.9 ON JUL 30	2.70 E ON APR 06	232 000	1942
1943	---	18.7 B ON MAR 26	2.70 B ON FEB 09	204 000	1943
1944	12.8 AT 19:00 MST ON JUL 31	12.4 ON JUL 31	1.95 B ON FEB 10	147 000	1944
1945	22.7 AT 04:00 MST ON MAY 26	18.5 ON MAY 26	1.44 B ON FEB 25	204 000	1945
1946	17.5 AT 22:00 MST ON MAY 28	15.7 ON JUN 07	3.06 A ON MAR 10	195 000	1946
1947	---	39.4 A ON JUN 09	1.84 B ON FEB 16	265 000	1947
1948	92.6 AT 14:00 MST ON MAY 23	66.0 ON MAY 23	2.35 B ON MAR 26	328 000	1948
1949	10.3 AT 09:00 MST ON JUN 02	7.87 ON JUN 02	1.44 B ON JAN 21	116 000	1949
1950	46.2 AT 11:00 MST ON JUN 15	25.9 ON JUN 15	0.850B ON JAN 19	141 000	1950
1951	64.3 AT 23:00 MST ON AUG 30	52.4 ON AUG 31	1.78 B ON JAN 18	319 000	1951
1952	140 AT 11:00 MST ON JUN 23	118 ON JUN 23	3.03 B ON MAR 09	324 000	1952
1953	98.0 AT 05:00 MST ON JUN 13	62.9 ON JUN 13	1.27 B ON FEB 17	275 000	1953
1954	---	122 E ON AUG 25	0.821B ON FEB 25	293 000	1954
1955	30.0 AT 23:00 MST ON MAY 25	21.5 ON MAY 26	2.44 B ON MAR 23	192 000	1955
1956	16.6 AT 23:00 MST ON JUN 17	12.7 ON JUN 17	2.04 B ON MAR 10	152 000	1956
1957	25.9 AT 01:00 MST ON APR 30	16.6 ON APR 30	1.98 B ON MAR 13	153 000	1957
1958	40.8 AT 13:00 MST ON JUL 06	34.3 ON JUL 06	2.12 B ON MAR 22	209 000	1958
1959	52.4 AT 19:00 MST ON JUN 27	42.5 ON JUN 27	1.19 B ON FEB 16	188 000	1959
1960	13.1 AT 06:00 MST ON AUG 07	11.0 ON AUG 07	2.66 B ON DEC 19	149 000	1960
1961	23.9 AT 23:30 MST ON MAY 23	18.2 ON JUL 29	0.765B ON MAR 04	153 000	1961
1962	14.8 AT 03:00 MST ON MAY 21	12.9 ON MAY 21	2.01 B ON MAR 05	122 000	1962
1963	32.1 AT 04:00 MST ON JUN 30	26.2 ON JUN 30	2.24 B ON FEB 26	159 000	1963
1964	37.9 AT 21:15 MST ON JUL 03	22.9 ON JUN 18	0.699B ON DEC 18 *	166 000	1964
1965	76.5 AT 01:00 MST ON JUN 18	48.4 ON JUN 18	0.903B ON JAN 18	270 000	1965
1966	31.7 AT 14:00 MST ON JUL 03	26.5 ON JUL 03	2.58 B ON MAR 03	193 000	1966
1967	190 AT 02:00 MST ON MAY 31	112 ON MAY 30	2.72 B ON DEC 31	222 000	1967
1968	13.1 AT 03:00 MST ON JUN 10	11.3 ON JUN 08	1.93 B ON JAN 31	151 000	1968
1969	---	55.2 ON JUN 29	1.99 B ON MAR 12	244 000	1969
1970	92.0 AT 07:11 MST ON JUN 14	62.9 ON JUN 16	1.30 B ON FEB 25	154 000	1970
1971	43.3 AT 07:30 MST ON JUN 06	35.1 ON JUN 06	1.81 B ON MAR 23	126 000	1971
1972	51.0 AT 09:30 MST ON JUN 24	37.4 ON JUN 24	1.81 B ON MAR 04	186 000	1972
1973	55.5 AT 09:00 MST ON MAY 26	43.6 ON MAY 26	2.46 B ON FEB 28	192 000	1973
1974	28.1 AT 23:00 MST ON JUN 16	22.8 ON JUN 16	2.12 B ON MAR 23	194 000	1974
1975	13.1 AT 12:30 MST ON JUL 30	10.0 ON JUL 30	2.03 B ON FEB 03	124 000	1975
1976	22.0 AT 13:00 MST ON AUG 05	18.0 ON AUG 05	1.93 B ON MAR 03	139 000	1976
1977	9.97 AT 12:00 MST ON MAY 24	8.86 ON MAY 24	2.04 ON MAR 24	126 000	1977
1978	36.2 AT 21:00 MST ON APR 28	20.8 ON APR 28	1.85 B ON MAR 01	178 000	1978
1979	11.7 AT 01:00 MST ON MAY 27	9.25 ON MAY 24	1.70 B ON JAN 15	120 000	1979
1980	19.7 AT 03:00 MST ON JUN 10	16.3 ON JUN 04	1.70 B ON JAN 10	145 000	1980
1981	55.3 AT 15:00 MST ON JUL 30	42.0 ON MAY 24	1.89 B ON JAN 27	235 000	1981
1982	12.2 AT 00:39 MST ON JUN 23	10.4 ON JUN 28	1.64 B ON MAR 07	139 000	1982
1983	---	---	---	---	1983
				199 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	0	0.197	0.430	0	0	0	0	0	0	---	1949
1950	0	0	0	0	0	2.93	0	0	0	0	0	0	0.241	1950
1951	0	0	0	0.028	0.820	8.19	7.72	0.749	1.95	0	0	0	1.62	1951
1952	0	0	0	0	0.067	6.68	0.242	0.018	0	0	0	0	0.575	1952
1953	0	0	0	0	1.37	16.6	6.93	0.013	0.006	0	0	0	2.07	1953
1954	0	0	0	0	0.365	8.37	5.10	3.61	1.68	0.014	0	0	1.60	1954
1955	0	0	0	0.204	0.055	6.01	1.10	0	0	0	0	0	0.609	1955
1956	0	0	0	0	1.59	2.89	0.159	0	0	0	0	0	0.385	1956
1957	0	0	0	0.002	0.041	0.044	0	0	0	0	0	0	0.007	1957
1958	0	0	0	0	0.510	0.129	0.488	0	0.008	0	0.003	0	0.096	1958
1959	0	0	0	0	0.026	0.895	0.041	0	0	0.011	0	0	0.080	1959
1960	0	0	0	0	0.015	0.279	0.101	0.084	0	0	0	0	0.040	1960
1961	0	0	0	0	4.73	3.52	0.042	0	0	0	0	0	0.694	1961
1962	0	0	0	0	1.18	0.028	0.228	0	0	0	0	0	0.122	1962
1963	0	0	0	0	0.042	3.67	1.20	0.044	0.018	0	0	0	0.413	1963
1964	0	0	0	0	0.345	12.3	1.04	0	0	0	0	0	1.13	1964
1965	0	0	0	0	0.076	11.5	8.22	1.28	0	0	0	0	1.76	1965
1966	0	0	0	0	1.74	4.19	0.962	0.012	0	0	0	0	0.575	1966
1967	0	0	0	0	2.25	12.8	1.38	0	0	0	0	0	1.36	1967
1968	0	0	0	0	0.091	0.599	0	0	0	0	0	0	0.057	1968
MEAN	0	0	0	0.012	0.776	5.10	1.75	0.291	0.183	0.001	0	0	0.707	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	6.82 ON JUN 02	0 ON APR 01 *	---	1949
1950	---	25.5 E ON JUN 15	0 ON JAN 01	7 590	1950
1951	---	27.5 ON JUN 14	0 ON JAN 01	51 200	1951
1952	---	24.4 ON JUN 23	0 ON JAN 01	10 200	1952
1953	---	57.2 ON JUN 13 *	0 ON JAN 01	65 300	1953
1954	---	20.2 ON JUN 28	0 ON JAN 01	50 400	1954
1955	---	16.5 ON JUN 12	0 ON JAN 01	19 200	1955
1956	---	19.6 ON JUN 05	0 ON JAN 01	12 200	1956
1957	---	0.396E ON JUN 08	0 ON JAN 01	230	1957
1958	---	2.04 ON MAY 21	0 ON JAN 01	3 030	1958
1959	---	4.08 E ON JUN 13	0 ON JAN 01	2 530	1959
1960	---	1.73 ON JUN 03	0 ON JAN 01	1 260	1960
1961	---	20.4 ON MAY 27	0 ON JAN 01	21 900	1961
1962	---	7.84 ON MAY 28	0 ON JAN 01	3 860	1962
1963	---	15.1 ON JUN 12	0 ON JAN 01	13 000	1963
1964	---	36.0 ON JUN 08	0 ON JAN 01	35 600	1964
1965	---	45.9 ON JUN 17	0 ON JAN 01	55 500	1965
1966	---	14.1 ON JUL 03	0 ON JAN 01	10 100	1966
1967	---	34.3 ON MAY 31	0 ON JAN 01	43 000	1967
1968	---	3.94 ON JUN 02	0 ON JAN 01	1 800	1968
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		22 300	MEAN

GHOST TRAIL - STATION NO. 05BE999

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1989	54.5	57.7	55.8	50.3	76.2	158	129	130	101	66.4	62.8	58.7	83.5	1989
1990	59.0	57.4	61.3	69.1	116	333	244	139	84.1	67.2	68.8	59.7	114	1990
MEAN	56.7	57.5	58.5	59.7	96.1	246	187	135	92.6	66.8	65.8	59.2	98.8	MEAN

LOCATION - LAT 51 13 30 N
LONG 114 42 30 W REGULATED SINCE 1900

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GHOST TRAIL - STATION NO. 05BE999

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1989	---	256 ON JUN 17	44.0 ON APR 29 *	2 630 000	1989
1990	---	515 ON JUN 03 *	45.6 ON DEC 30	3 580 000	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 110 000	MEAN

GHOSTPINE CREEK NEAR HUXLEY - STATION NO. 05CE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.895	1.25	0.447	0.100	0.005	0	0.010	0.009	---	---	1967
1968	---	---	0.167	0.067	0.033	---	---	0.113	0.067	0.029	---	---	---	1968
1969	---	---	0	3.89	0.581	0.118	0.159	0.077	0.147	0.207	---	---	---	1969
MEAN	---	---	0.056	1.62	0.621	0.283	0.130	0.065	0.071	0.082	0.009	---	---	MEAN

LOCATION - LAT 51 53 40 N LONG 113 14 20 W DRAINAGE AREA, 518 km² NATURAL FLOW

GHOSTPINE CREEK NEAR HUXLEY - STATION NO. 05CE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	2.77 B ON APR 21	0B ON MAR 01 *	---	1967
1968	---	0.895 ON AUG 05	0A ON JUL 18	---	1968
1969	31.4B AT 18:20 MST ON APR 06 *	16.3 B ON APR 06 *	0B ON FEB 27	---	1969
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	0.619	0.310	0.100	0.175	0.323	0.978	1.14	2.29	0.779	0.330	0.409	0.395	0.656	1976
1977	0.327	0.301	0.304	0.353	0.487	1.15	2.19	2.19	0.719	0.389	0.310	0.273	0.754	1977
1978	0.228	0.236	0.230	0.292	0.368	0.589	0.627	1.37	0.564	0.441	0.386	0.278	0.469	1978
1979	0.295	0.307	0.345	0.357	0.377	0.430	0.813	1.50	2.51	0.725	0.354	0.387	0.701	1979
1980	0.381	0.422	0.400	0.505	0.621	1.10	0.795	0.504	0.504	0.423	0.355	0.339	0.529	1980
1981	0.411	0.391	0.420	0.454	0.671	0.744	0.841	0.778	0.523	0.571	0.357	0.390	0.547	1981
1982	0.437	0.415	0.464	0.462	0.523	0.938	1.38	2.08	0.782	0.640	0.529	0.455	0.762	1982
1983	0.386	0.381	0.414	0.462	0.537	0.583	0.506	1.04	3.55	0.792	0.693	0.569	0.824	1983
1984	0.464	0.407	1.02	0.934	0.616	0.757	0.686	0.627	0.635	0.555	0.540	0.447	0.641	1984
1985	0.431	0.411	0.412	1.05	1.18	1.29	1.32	1.30	1.26	1.26	1.31	1.11	1.03	1985
1986	1.21	1.18	1.29	1.29	1.47	1.74	1.73	1.68	1.46	1.49	1.31	1.23	1.43	1986
1987	1.22	1.13	1.13	1.21	1.20	1.28	1.39	1.46	1.49	1.37	1.31	1.28	1.29	1987
1988	1.16	1.18	1.09	1.10	1.23	1.42	1.32	1.42	1.38	1.23	1.24	1.19	1.25	1988
1989	1.21	1.14	0.888	0.532	0.669	0.706	0.696	0.788	0.740	0.515	0.615	0.577	0.754	1989
1990	0.544	0.518	0.629	0.571	0.810	1.54	1.68	0.999	0.729	0.741	0.636	0.575	0.833	1990
MEAN	0.623	0.582	0.609	0.650	0.739	1.02	1.14	1.34	1.18	0.765	0.690	0.633	0.831	MEAN

LOCATION - LAT 51 03 30 N LONG 115 25 50 W DRAINAGE AREA, 40.9 km² REGULATED SINCE 1951

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	3.26 ON AUG 22	0.031 ON FEB 17 *	20 700	1976
1977	4.11 AT 21:00 MST ON AUG 06	3.96 ON AUG 07	0.198B ON DEC 31	23 800	1977
1978	---	1.50 ON AUG 20	0.142B ON FEB 13	14 800	1978
1979	---	3.34 ON SEP 09	0.170B ON JAN 03	22 100	1979
1980	---	1.59 ON JUN 19	0.227B ON DEC 04	16 700	1980
1981	---	1.98 ON OCT 29	0.320 ON NOV 10	17 300	1981
1982	---	3.82 ON AUG 22	0.283B ON FEB 03	24 000	1982
1983	4.50 ON SEP 23 *	4.03 ON SEP 19 *	0.321 ON FEB 03	26 000	1983
1984	2.04 AT 14:00 MST ON APR 16	1.38 ON APR 15	0.283B ON JAN 17	20 300	1984
1985	---	1.63 ON AUG 15	0.170B ON JAN 30	32 500	1985
1986	---	2.27 ON MAY 31	1.08 B ON FEB 18	44 900	1986
1987	---	1.57 ON SEP 17	1.02 B ON MAR 28	40 700	1987
1988	---	1.61 ON JUN 08	0.941 ON MAR 31	39 400	1988
1989	---	1.32 ON MAY 03	0.430 ON APR 27	23 800	1989
1990	---	2.14 ON JUN 01	0.368B ON FEB 14	26 300	1990
				26 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.519	---	---	---	1975
1976	---	---	---	---	1.21	0.759	0.583	2.08	0.707	0.559	---	---	---	1976
1977	---	---	---	---	0.453	0.353	0.294	0.298	0.358	0.369	---	---	---	1977
1978	---	---	---	0.424	1.64	1.58	1.05	0.668	0.534	0.446	---	---	---	1978
1979	---	---	---	---	1.50	0.996	0.569	0.435	0.402	0.361	---	---	---	1979
1980	---	---	---	---	0.741	0.798	0.493	0.399	0.378	0.370	---	---	---	1980
1981	---	---	---	---	2.84	2.05	0.996	0.687	0.521	0.465	---	---	---	1981
1982	---	---	---	0.380	1.08	1.06	0.626	0.426	0.400	0.414	---	---	---	1982
1983	---	---	0.277	0.400	0.879	0.692	0.420	0.368	0.318	0.312	0.278	---	0.472	1983
1984	---	---	---	0.290	0.533	0.691	0.434	0.330	0.311	0.322	0.286	---	0.400	1984
1985	---	---	---	0.369	0.596	0.446	0.293	0.257	0.441	0.524	0.504	---	0.428	1985
1986	---	---	---	0.868	1.58	1.18	0.675	0.488	0.525	0.673	0.520	---	0.815	1986
1987	---	---	---	0.638	0.865	0.473	0.861	0.709	0.533	0.433	0.370	---	0.612	1987
1988	---	---	---	0.409	0.662	0.675	0.416	0.352	0.315	0.288	0.255	---	0.422	1988
1989	---	---	---	0.373	1.18	1.20	0.716	0.523	0.502	0.441	0.401	---	0.669	1989
1990	---	---	---	0.588	2.23	2.33	1.02	0.764	0.582	0.515	0.349	---	1.05	1990
MEAN	---	---	0.277	0.474	1.20	1.02	0.636	0.586	0.455	0.438	0.370	---	0.609	MEAN

LOCATION - LAT 49 36 08 N DRAINAGE AREA, 62.9 km²
LONG 114 24 00 W NATURAL FLOW

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	12.4 AT 18:40 MST ON AUG 05 *	7.16 ON AUG 05	---	---	1976
1977	0.521 AT 19:00 MST ON MAY 10	0.496 ON MAY 11	---	---	1977
1978	3.20 AT 03:00 MST ON JUN 06	---	---	---	1978
1979	3.15 AT 01:30 MST ON MAY 25	2.99 ON MAY 25	---	---	1979
1980	3.66 AT 11:00 MST ON APR 29	1.33 ON APR 30	---	---	1980
1981	7.27 AT 19:10 MST ON MAY 22	6.58 ON MAY 23	---	---	1981
1982	1.76 AT 02:26 MST ON MAY 26	1.73 ON MAY 26	---	---	1982
1983	1.43 AT 11:55 MST ON MAY 26	1.41 ON MAY 26	0.217B ON NOV 29	9 950	1983
1984	0.935 AT 08:02 MST ON MAY 16	0.862 ON MAY 16	0.222B ON OCT 31	8 420	1984
1985	0.959 AT 21:15 MST ON SEP 12	0.805 ON SEP 13	0.233 ON AUG 06	9 030	1985
1986	3.21 AT 04:15 MST ON MAY 22	2.95 ON MAY 22	0.436B ON NOV 17	17 200	1986
1987	2.87 AT 07:34 MST ON JUL 19	2.59 ON JUL 19	0.341 ON NOV 18	12 900	1987
1988	1.07 AT 17:10 MST ON JUN 08	1.03 ON JUN 08	0.241B ON NOV 29	8 890	1988
1989	2.01 AT 05:00 MST ON MAY 11	1.95 ON MAY 11	0.192 ON APR 02 *	14 100	1989
1990	7.84 AT 11:50 MST ON MAY 29	7.41 ON MAY 29 *	0.270B ON NOV 07	22 100	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 800	MEAN

GRABURN CREEK NEAR THE MOUTH - STATION NO. 11AB111

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	1967
MEAN	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 38 40 N DRAINAGE AREA, 42 km²
LONG 110 01 40 W NATURAL FLOW

GRABURN CREEK NEAR THE MOUTH - STATION NO. 11AB111

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
				---	MEAN

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	0.241	0.054	---	---	---	1969
1970	---	---	0	2.21	0.731	0.022	0	0	0	0	---	---	0.365	1970
1971	---	---	0	0.499	0.117	2.46	1.01	0.001	0	0	---	---	0.505	1971
1972	---	---	0.002	---	---	0.023	0.009	0	0.017	0.128	---	---	---	1972
1973	---	---	0.004	3.81	1.01	0.199	0.002	0	0	0.008	---	---	0.620	1973
1974	---	---	0	5.36	3.07	0.089	0.161	0	0	0.001	---	---	1.08	1974
1975	---	---	0	0.857	0.885	0.051	0.031	0	0	0	---	---	0.227	1975
1976	---	---	0	2.23	0.287	1.01	0.234	1.43	0.085	0.036	---	---	0.658	1976
1977	---	---	0.003	3.05	2.50	0.661	0.165	0.002	0.001	0.063	---	---	0.801	1977
1978	---	---	0.061	1.04	0.791	0.115	0.001	0.001	0	0	---	---	0.249	1978
1979	---	---	0	1.24	2.12	0.356	0.414	0.002	0	0	---	---	0.516	1979
1980	---	---	0	0.119	0.038	0.044	0.002	0	0.001	0.001	---	---	0.025	1980
1981	---	---	0.007	1.49	0.534	0.063	0	0	0	0	---	---	0.258	1981
1982	---	---	0	0.625	1.03	0.091	0	0.248	0	0	---	---	0.249	1982
1983	---	---	0	0.860	0.353	0.863	2.77	0.060	0	0	---	---	0.614	1983
1984	---	---	0.187	0.040	0.915	0.885	0.020	0	0.001	0	---	---	0.255	1984
1985	---	---	0.083	1.89	0.439	0.086	0.017	0.001	0.007	0.040	---	---	0.316	1985
1986	---	---	0.065	1.55	1.87	0.049	0.002	0	0	0	---	---	0.441	1986
1987	---	---	0	0.689	0.029	0.027	0	0.001	0	0	---	---	0.092	1987
1988	---	---	0	0.033	0.001	0.041	0.075	0	0.001	0.001	---	---	0.019	1988
1989	---	---	0	0.257	0.161	0.079	0.002	0.669	0.297	0.176	---	---	0.205	1989
1990	---	---	0.611	2.38	0.926	4.55	0.027	0	0	0	---	---	1.05	1990
MEAN	---	---	0.049	1.51	0.890	0.560	0.235	0.115	0.030	0.023	---	---	0.427	MEAN

LOCATION - LAT 55 22 28 N
LONG 118 54 50 W
DRAINAGE AREA, 152 km²
NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON SEP 01 *	---	1969
1970	---	5.04 B ON APR 16	0B ON MAR 01	7 730	1970
1971	16.7 AT 24:00 MST ON JUN 26	12.6 ON JUN 16	0B ON MAR 01	10 700	1971
1972	---	---	0B ON MAR 01	---	1972
1973	11.0 A AT 21:00 MST ON APR 20	8.98 ON APR 23	0B ON MAR 06	13 100	1973
1974	25.3 AT 24:00 MST ON APR 25	24.0 ON APR 26	0B ON MAR 01	22 800	1974
1975	4.53 AT 23:00 MST ON APR 22	2.77 ON APR 23	0B ON MAR 01	4 810	1975
1976	18.6 AT 19:00 MST ON APR 12	12.3 ON APR 12	0B ON MAR 01	13 900	1976
1977	22.4 AT 19:30 MST ON APR 09	17.3 ON APR 09	0 ON SEP 22	17 000	1977
1978	3.32 AT 13:00 MST ON APR 29	4.67 ON APR 29	0B ON MAR 01	5 270	1978
1979	18.8 B AT 23:30 MST ON APR 27	12.7 ON APR 28	0B ON MAR 01	10 900	1979
1980	---	---	---	---	1980
1981	8.80 B AT 22:00 MST ON APR 19	0.550A ON APR 15	0B ON MAR 01	533	1981
1982	9.06 AT 20:30 MST ON APR 29	5.48 B ON APR 20	0B ON MAR 01	5 470	1982
1983	10.5 AT 04:00 MST ON JUL 21	5.38 ON APR 29	0B ON MAR 01	5 280	1983
1984	8.74 AT 00:00 MST ON JUN 08	8.26 ON JUL 21	0B ON MAR 01	13 000	1984
1985	6.28 B AT 20:30 MST ON APR 01	6.98 ON JUN 08	0B ON MAR 01	5 410	1985
1986	6.78 AT 08:30 MST ON MAY 06	3.81 ON APR 08	0B ON MAR 01	6 680	1986
1987	4.47 B ON APR 04	5.71 ON MAY 06	0B ON MAR 01	9 330	1987
1988	0.609 AT 17:30 MST ON JUL 03	3.70 B ON APR 04	0B ON MAR 01	1 940	1988
1989	9.89 AT 20:00 MST ON AUG 23	0.347 ON JUL 03	0B ON MAR 01	403	1989
1990	64.0 AT 11:00 MST ON JUN 12 *	5.58 ON AUG 24	0B ON MAR 01	4 340	1990
		58.1 A ON JUN 12 *	0B ON MAR 11	22 100	MEAN
				9 030	

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.027	0.101	0	---	---	---	---	---	---	---	---	1922
1923	---	---	0.327	0.001	0	0.086	0	---	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	---	1924
1925	---	0.008	0.097	0.011	0	0	0	0	0	0	---	---	---	1925
MEAN	---	0.008	0.113	0.028	0	0.029	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 50 N
LONG 110 52 20 W
DRAINAGE AREA, 76.7 km²
NATURAL FLOW

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.878 ON APR 03	0 ON MAR 01 *	---	1922
1923	---	1.93 B ON MAR 20 *	0 ON APR 05	---	1923
1924	---	---	0B ON MAR 01	---	1924
1925	---	0.705 ON MAR 22	0B ON FEB 01	---	1925
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GREGG RIVER NEAR HINTON - STATION NO. 07AF906

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	3.81	8.70	2.70	1.19	4.81	7.91	---	---	4.83	1984
1985	---	---	---	---	3.34	6.29	3.79	6.78	8.29	3.65	---	---	5.34	1985
MEAN	---	---	---	---	3.58	7.50	3.25	3.99	6.55	5.78	---	---	5.09	MEAN

LOCATION - LAT 53 15 08 N LONG 117 21 30 W DRAINAGE AREA, 364 km² DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

GREGG RIVER NEAR HINTON - STATION NO. 07AF906

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	21.7 AT 23:57 MST ON OCT 04	20.4 ON OCT 05	0.789 ON AUG 26 *	76 800	1984
1985	22.8 AT 23:10 MST ON SEP 12 *	21.6 ON SEP 12 *	---	84 800	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 800	MEAN

GREGG RIVER NEAR THE MOUTH - STATION NO. 07AF015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	---	7.57	3.83	---	---	---	1985
1986	---	---	0.810	1.47	6.49	6.19	17.3	4.08	3.65	6.52	---	---	5.84	1986
1987	---	---	0.582	0.919	1.86	1.78	3.07	15.6	3.78	1.59	---	---	3.67	1987
1988	---	---	0.438	1.99	2.25	4.38	2.03	3.57	1.97	1.78	---	---	2.30	1988
1989	---	---	0.305	1.09	6.37	6.51	8.35	15.1	7.72	3.76	---	---	6.16	1989
1990	---	---	0.618	1.81	9.89	20.3	13.2	3.29	3.60	2.28	---	---	6.85	1990
MEAN	---	---	0.552	1.46	5.38	7.83	8.79	8.33	4.72	3.29	---	---	4.96	MEAN

LOCATION - LAT 53 15 07 N LONG 117 21 23 W DRAINAGE AREA, 364 km² NATURAL FLOW

GREGG RIVER NEAR THE MOUTH - STATION NO. 07AF015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	23.4 AT 12:11 MST ON SEP 13	---	---	---	1985
1986	107 AT 03:15 MST ON JUL 18 *	93.6 ON JUL 18 *	0.555B ON MAR 06	124 000	1986
1987	89.1 AT 05:21 MST ON AUG 02	79.0 ON AUG 02	0.440B ON MAR 01	77 800	1987
1988	16.1 AT 11:54 MST ON JUN 09	11.9 ON JUN 09	0.339B ON MAR 03	48 600	1988
1989	74.6 AT 01:13 MST ON AUG 17	71.0 ON AUG 17	0.288B ON MAR 19 *	130 000	1989
1990	59.4 AT 00:07 MST ON JUL 07	54.2 ON JUL 07	0.495B ON MAR 01	145 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		105 000	MEAN

GROAT CREEK NEAR WHITECOURT - STATION NO. 07AG008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.216	1.96	0.563	---	---	---	1984
1985	---	---	0.091	1.73	2.31	3.71	0.288	0.293	2.37	1.08	---	---	1.47	1985
1986	---	---	0.082	2.65	3.07	---	---	0.325	0.290	0.462	---	---	---	1986
1987	---	---	0.125	0.460	1.57	0.445	0.223	0.739	0.524	0.243	---	---	0.542	1987
1988	---	---	0.176	0.564	0.557	0.693	1.69	0.969	0.291	0.235	---	---	0.648	1988
1989	---	---	0.036	0.710	3.47	3.09	2.74	6.99	0.820	0.413	---	---	2.29	1989
1990	---	---	0.250	1.15	1.72	1.31	1.83	0.226	0.208	0.225	---	---	0.865	1990
MEAN	---	---	0.127	1.21	2.12	1.85	1.35	1.39	0.923	0.460	---	---	1.16	MEAN

LOCATION - LAT 54 01 57 N LONG 115 50 30 W DRAINAGE AREA, 134 km² NATURAL FLOW

GROAT CREEK NEAR WHITECOURT - STATION NO. 07AG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	---	---	1984
1985	82.7 AT 09:20 MST ON JUN 24	64.0 ON JUN 24 *	0.055B ON MAR 01	31 100	1985
1986	64.0 ON JUL 19	---	0.002B ON MAR 01 *	---	1986
1987	4.96 AT 21:48 MST ON SEP 02	3.08 ON SEP 03	0.108B ON MAR 01	11 500	1987
1988	40.2 AT 16:39 MST ON JUL 06	17.6 ON JUL 06	0.090B ON MAR 01	13 700	1988
1989	129 E AT 17:55 MST ON AUG 17 *	36.6 ON AUG 03	0.010B ON MAR 01	48 500	1989
1990	43.0 A ON JUL 03	21.2 A ON JUL 03	0.179 ON SEP 26	18 300	1990
				24 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	0.111	0.016	0	0	0	0.004	---	---	---	1912
1913	---	---	---	0.788	0.051	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.370	0.035	0.003	0	0	0.002	0.056	---	---	---	1914
MEAN	---	---	---	0.579	0.066	0.007	0	0	0.001	0.020	---	---	---	MEAN

LOCATION - LAT 49 45 20 N LONG 110 27 50 W DRAINAGE AREA, 93.2 km² NATURAL FLOW

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---			
1913	---	3.37 ON APR 05	0 ON JUN 22 *	---	1912
1914	---	4.11 ON MAR 30 *	0 ON JUN 02	---	1913
			0 ON MAY 28	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.344	1.14	0.145	0.008	0.003	0	0	0	---	---	---	1921
1922	---	---	0.198	2.92	0.354	0.010	0.010	0	0	0	---	---	---	1922
1944	---	---	0	0.006	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.359	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.843	0.073	0.005	0.003	---	---	---	---	---	---	---	1946
1947	---	---	2.21	0.728	0.062	0.051	---	---	---	---	---	---	---	1947
1948	---	---	0.934	2.41	0.237	0.001	---	---	---	---	---	---	---	1948
1949	---	---	0.238	0.049	0.001	0	---	---	---	---	---	---	---	1949
1950	---	---	0.358	0.399	0.011	0	---	---	---	---	---	---	---	1950
1951	---	---	1.50	2.13	0.246	0.139	---	---	---	---	---	---	---	1951
1952	---	---	2.24	2.81	0.115	0.002	---	---	---	---	---	---	---	1952
1953	---	---	1.25	1.60	0.628	1.70	---	---	---	---	---	---	---	1953
1954	---	---	0.002	1.02	0.105	0.138	---	---	---	---	---	---	---	1954
1955	---	---	1.04	4.36	1.17	0.083	---	---	---	---	---	---	---	1955
1956	---	---	1.29	0.389	0.159	0.008	---	---	---	---	---	---	---	1956
1957	---	0.169	1.53	1.50	0.195	0.005	---	---	---	---	---	---	---	1957
1958	---	---	0.531	0.211	0.012	0.006	---	---	---	---	---	---	---	1958
1959	---	---	0.760	0.189	0.027	0.003	---	---	---	---	---	---	---	1959
1960	---	---	1.21	0.116	0.132	0.006	0.002	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.445	0.007	0	0	0	0	0	0	---	---	---	1962
1963	---	---	0.271	0.004	0	0	0.267	0	0	0	---	---	---	1963
1964	---	---	0.197	0.231	0.810	0	0	0	0	0	---	---	---	1964
1965	---	0.229	0.106	2.43	0.091	0.576	0.752	0	0.019	0	---	---	0.464	1965
1966	---	---	1.44	0.270	0.067	0.427	0.014	0	0	0	---	---	---	1966
1967	---	---	1.89	1.05	2.29	0.069	0.005	0	0	0	---	---	---	1967
1968	---	---	0.266	0.126	0.114	0.016	0.002	0	0	0	---	---	---	1968
1969	---	---	0.976	0.635	0.025	0.002	0	0	0	0	---	---	---	1969
1970	---	---	0.229	1.02	0.060	0.054	0.028	0	0	0	---	---	---	1970
1971	---	0.638	0.671	1.19	0.044	0.043	0	0	0	0	---	---	0.282	1971
1972	---	---	1.02	0.024	0.026	0.001	0	0	0	0	---	---	---	1972
1973	---	0.048	0.158	0.106	0.039	0.266	0	0	0	0	---	---	0.068	1973
1974	---	---	0.886	0.381	0.150	0.023	0.001	0	0	0	---	---	---	1974
1975	---	---	0	1.29	1.36	---	---	0	0	0	---	---	---	1975
1976	---	---	0.575	0.329	0.014	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	---	1977
1978	---	---	0.552	0.425	0.110	0.016	0.056	0	0	0	---	---	---	1978
1979	---	---	1.68	0.682	0.220	0	0	0	0	0	---	---	---	1979
1980	---	---	0.064	0.021	0	0	0	0	0	0	---	---	---	1980
1981	---	0.089	0.003	0.015	0.009	0.054	0	0	0	0	---	---	0.018	1981
1982	---	0.223	0.675	1.25	0.138	0.932	0.005	0.002	0	0.002	---	---	0.356	1982
1983	---	0.257	0.087	0.038	0.423	0.003	0.001	0	0	0	---	---	0.089	1983
1984	---	0	0.026	0.019	0	0	0	0	0	0	---	---	0.005	1984
1985	---	0.001	0.690	1.39	0.348	0.006	0	0	0	0	---	---	0.272	1985
1986	---	0.303	0.128	0.014	0.269	0.005	0.001	0	0.281	0.067	---	---	0.117	1986
1987	---	0.195	0.359	0.340	0.007	0.001	0.001	0.001	0	0	---	---	0.099	1987
1988	---	0.058	0.193	0.053	0.002	0	0	0	0	0	---	---	0.034	1988
1989	---	0	0.050	0.046	0.030	0.017	0	0	0	0	---	---	0.016	1989
1990	---	0.037	0.149	0.037	0.042	0.023	0	0	0	0	---	---	0.032	1990
MEAN	---	0.161	0.625	0.724	0.210	0.098	0.036	0	0.009	0.002	---	---	0.142	MEAN

LOCATION - LAT 49 53 20 N LONG 110 30 20 W DRAINAGE AREA, 215 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963 AND 1971

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	7.50 ON APR 14	0 ON MAR 01 *	---	1921
1922	---	10.4 ON APR 21	0 B ON MAR 01	---	1922
1944	0.071 AT 09:00 MST ON APR 02	0.059 ON APR 02	0 B ON MAR 01	---	1944
1945	1.70 B AT 09:00 MST ON MAR 12	1.47 B ON MAR 12	0 B ON MAR 01	---	1945
1946	2.35 ON MAR 02	2.07 ON MAR 02	0.003 ON MAY 07	---	1946
1947	---	9.77 ON MAR 22	0 B ON MAR 01	---	1947
1948	---	22.0 ON APR 17	0 B ON MAR 01	---	1948
1949	---	0.878B ON MAR 06	0 B ON MAR 13	---	1949
1950	2.58 AT 08:20 MST ON APR 02	2.46 ON APR 02	0 B ON MAR 01	---	1950
1951	11.8 AT 19:00 MST ON MAR 29	10.9 ON MAR 29	0 B ON MAR 01	---	1951
1952	24.5 ON APR 07	17.6 ON APR 06	0 B ON MAR 01	---	1952
1953	20.6 AT 19:30 MST ON JUN 03	17.8 ON JUN 03	0 B ON MAR 01	---	1953
1954	13.1 AT 17:00 MST ON APR 09	8.78 ON APR 09	0 ON FEB 10	---	1954
1955	36.5 ON APR 09 *	25.3 ON APR 09 *	0 B ON MAR 01	---	1955
1956	---	6.29 B ON MAR 25	0 B ON MAR 01	---	1956
1957	---	7.59 E ON MAR 11	0 B ON FEB 01	---	1957
1958	---	4.30 ON MAR 30	0 B ON MAR 01	---	1958
1959	3.31 AT 09:00 MST ON MAR 27	2.80 B ON MAR 18	---	---	1959
1960	---	6.85 B ON MAR 20	0 B ON MAR 01	---	1960
1961	---	0 ON MAR 01	0 ON MAR 01	---	1961
1962	---	2.62 B ON MAR 20	0 B ON MAR 01	---	1962
1963	---	6.57 ON JUL 04	0 ON MAR 18	---	1963
1964	---	6.65 ON MAY 08	0 B ON MAR 01	---	1964
1965	---	11.6 ON APR 10	0 B ON FEB 01	10 900	1965
1966	---	5.86 B ON MAR 11	0 B ON MAR 01	---	1966
1967	---	20.9 ON MAY 07	0 B ON MAR 07	---	1967
1968	---	1.59 ON MAR 02	0 E ON JUL 12	---	1968
1969	---	5.49 ON MAR 17	0 B ON MAR 01	---	1969
1970	19.1 AT 06:30 MST ON APR 07	12.3 ON APR 07	0 B ON FEB 23	---	1970
1971	---	5.52 ON FEB 15	0 ON FEB 01	6 650	1971
1972	---	6.65 ON MAR 14	0 B ON MAR 01	---	1972
1973	---	4.28 ON JUN 16	0 B ON FEB 01	1 610	1973
1974	10.2 B AT 01:00 MST ON MAR 28	5.72 B ON MAR 29	0 B ON FEB 11	---	1974
1975	---	6.06 ON MAY 07	0 B ON FEB 27	---	1975
1976	---	5.47 B ON MAR 18	0 B ON MAR 01	---	1976
1977	---	0.004E ON MAY 16	0 B ON FEB 22	---	1977
1978	---	2.72 ON MAR 27	0 B ON MAR 01	---	1978
1979	---	7.18 B ON MAR 07	0 B ON FEB 28	---	1979
1980	---	0.244B ON MAR 16	0 B ON MAR 01	---	1980
1981	---	0.672 ON JUN 16	0 E ON FEB 01	428	1981
1982	---	9.48 B ON APR 13	0 B ON FEB 01	8 390	1982
1983	8.39 AT 16:51 MST ON MAY 15	3.31 ON MAY 15	0 B ON FEB 01	2 090	1983
1984	---	0.153B ON MAR 26	0 B ON FEB 01	121	1984
1985	10.8 AT 06:10 MST ON APR 28	8.13 ON APR 28	0 B ON FEB 01	6 400	1985
1986	7.00 AT 06:03 MST ON SEP 26	5.04 ON SEP 26	0 B ON FEB 03	2 760	1986
1987	4.22 AT 08:05 MST ON APR 01	3.03 ON APR 01	0 ON JUN 07	2 340	1987
1988	1.17 AT 09:05 MST ON MAR 22	0.902 ON MAR 21	0 B ON FEB 01	805	1988
1989	0.855 AT 18:05 MST ON MAR 28	0.488 ON MAR 29	0 B ON FEB 01	376	1989
1990	---	0.661 ON MAR 08	0 B ON FEB 01	757	1990
				3 360	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	0	---	---	---	---	---	1922
1957	---	---	---	---	0.234	0.172	0.081	0.072	0.096	0.090	---	---	---	1957
1958	---	---	---	---	0.718	0.441	0.207	0.168	0.112	0.070	---	---	---	1958
1959	---	---	---	---	0.036	0.201	0.196	0.197	0.464	0.241	---	---	---	1959
1960	---	---	---	---	0.532	0.280	0.140	0.020	0.140	0.175	---	---	---	1960
1961	---	---	---	---	0.375	0.284	0.054	0.044	0.211	0.226	---	---	---	1961
1962	---	---	---	---	0.199	0.160	0.094	0.047	0.198	0.166	---	---	---	1962
1963	---	---	---	---	0.062	0.189	0.311	0.247	0.409	0.349	---	---	---	1963
1964	---	---	---	---	0.419	0.304	0.513	0.098	0.439	0.369	---	---	---	1964
1965	---	---	---	---	0.499	1.73	1.52	1.27	0.952	0.543	---	---	---	1965
1966	---	---	---	---	0.399	0.031	0.585	0.229	0.205	0.785	---	---	---	1966
1967	---	---	---	---	1.30	1.12	0.458	0.192	0.090	0.034	---	---	---	1967
1968	---	---	---	---	0.076	0.289	0.379	0.442	0.368	0.314	---	---	---	1968
1969	---	---	---	---	0.686	0.450	0.466	0.273	0.161	0.328	---	---	---	1969
1970	---	---	---	---	0.337	0.809	0.433	0.103	0.044	0.050	---	---	---	1970
1971	---	---	---	---	1.37	1.18	0.139	0.037	0.053	0.219	---	---	---	1971
1972	---	---	---	---	0.270	0.401	0.737	0.350	0.409	0.170	0.185	---	0.361	1972
1973	---	---	---	---	1.07	0.428	0.399	0.279	0.535	0.543	0.418	0.113	0.525	1973
1974	---	---	---	---	1.41	1.37	0.389	0.664	0.583	0.481	0.053	---	0.708	1974
1975	---	---	---	---	1.11	1.04	0.371	0.110	0.112	0.219	0.110	---	0.438	1975
1976	---	---	---	---	0.314	0.321	0.365	0.251	0.396	0.255	0.368	---	0.324	1976
1977	---	---	---	---	0.021	0.038	0.051	0.336	0.227	0.305	0.098	---	0.154	1977
1978	---	---	---	---	0.453	0.488	0.234	0.310	0.821	0.341	---	---	---	1978
1979	---	---	---	---	0.087	0.064	0.413	0.298	0.158	0.014	---	---	---	1979
1980	---	---	---	---	---	0.524	0.354	0.507	0.342	0.230	0.042	---	---	1980
1981	---	---	---	---	0.246	0.060	0.518	0.059	0.183	0.271	---	---	---	1981
1982	---	---	---	---	0.123	0.234	0.429	0.228	0.215	0.293	0.087	---	0.231	1982
1983	---	---	---	---	0.146	0.110	---	0.079	---	0.069	0.020	---	---	1983
1984	---	---	---	---	0.014	0.201	0.146	0.528	0.535	0.265	0.124	0.039	0.259	1984
1985	---	---	---	---	0.122	0.071	0.032	0.532	0.485	0.268	0.057	0.007	0.224	1985
1986	---	---	---	---	0.188	0.186	0.614	0.736	1.08	0.991	0.193	0.006	0.570	1986
1989	---	---	---	---	0.140	0.211	0.076	0.010	0.092	0.040	0.077	0.075	0.092	1989
1990	---	---	---	---	0.135	0.377	0.039	0.003	0.010	0.001	0	---	0.080	1990
MEAN	---	---	---	---	0.422	0.430	0.347	0.264	0.327	0.272	0.131	0.048	0.331	MEAN

LOCATION - LAT 50 51 20 N
LONG 113 08 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1960, 1962 AND 1971

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON AUG 01 *	---	1922
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	1.17 ON JUL 13	0.027 ON OCT 25	6 670	1972
1973	---	1.28 ON MAY 07	0.012 ON MAY 31	9 700	1973
1974	---	2.06 ON MAY 30	0 B ON NOV 13	13 100	1974
1975	---	1.51 ON MAY 14	0.014B ON NOV 30	8 110	1975
1976	---	0.589 ON JUN 27	0.144 ON AUG 02	5 980	1976
1977	---	3.88 ON AUG 18 *	0 ON MAY 01	2 850	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	0.821 ON JUN 27	---	---	1980
1981	---	---	---	---	1981
1982	---	---	---	---	1982
1983	---	0.789A ON JUL 07	0 B ON NOV 19	4 260	1983
1984	---	---	---	---	1984
1985	---	0.868 ON SEP 07	0.001 ON MAY 12	4 780	1985
1986	---	1.17 ON AUG 28	0 ON MAY 25	4 140	1986
1989	---	1.38 ON SEP 26	0 ON MAY 02	10 500	1989
1990	---	0.416 ON MAY 19	0 ON AUG 19	1 700	1990
	---	0.644 ON JUN 05	0 ON AUG 12	1 480	MEAN
				6 110	

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR STOBART - STATION NO. 05BM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	---	---	0.183	0.183	---	---	---	1951
1952	---	---	---	---	1.51	0.741	0.003	0.003	0.027	0.003	---	---	---	1952
1953	---	---	---	---	0.006	0.027	0.102	0.401	0.726	0.827	---	---	---	1953
MEAN	---	---	---	---	0.758	0.384	0.053	0.202	0.312	0.338	---	---	---	MEAN

LOCATION - LAT 50 54 00 N
LONG 113 09 00 W REGULATED

HAMMER HILL SPILLWAY NEAR STOBART - STATION NO. 05BM011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
				---	MEAN

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	6.64	3.55	4.30	2.50	5.71	3.98	---	---	---	1965
1966	---	---	---	2.84	19.8	17.1	5.09	2.23	2.08	3.68	---	---	---	1966
1967	---	---	---	---	17.0	3.57	7.76	12.8	2.53	2.15	---	---	---	1967
1968	---	---	---	---	5.48	4.76	6.67	2.91	4.01	5.99	---	---	---	1968
1969	---	---	---	20.0	9.04	7.39	1.76	2.08	11.1	6.85	---	---	---	1969
1970	0.269	0.229	0.143	6.61	13.1	11.6	26.2	7.06	20.5	7.88	3.12	0.606	11.6	1970
1971	0.488	0.365	0.362	12.0	4.63	3.39	9.68	1.88	1.12	1.26	0.789	0.564	4.27	1971
1972	0.542	0.400	0.417	3.06	18.1	4.64	2.52	1.07	0.753	2.12	1.60	0.600	4.10	1972
1973	0.465	0.414	0.340	3.21	4.16	29.5	9.57	13.9	4.01	7.94	2.79	1.25	9.04	1973
1974	0.590	0.385	0.448	17.9	16.0	5.66	10.8	2.87	2.70	2.42	1.22	0.706	7.34	1974
1975	0.275	0.088	0.216	2.04	13.7	10.0	8.93	6.38	12.0	7.19	2.03	0.572	7.55	1975
1976	0.404	0.205	0.413	4.83	1.84	2.76	6.17	16.4	19.2	6.35	1.67	0.446	7.22	1976
1977	0.318	0.214	0.428	7.14	12.3	8.98	8.61	5.25	2.63	3.59	1.47	0.364	6.11	1977
1978	0.355	0.227	0.284	4.89	8.22	5.21	1.44	2.09	13.9	---	---	0.878	---	1978
1979	0.367	0.262	0.240	1.86	15.1	9.97	3.59	3.30	7.83	3.33	1.98	0.674	5.64	1979
1980	0.264	0.068	0.048	3.52	1.06	2.17	1.00	17.1	15.1	4.69	1.16	0.172	5.56	1980
1981	0.095	0.137	0.290	1.87	4.26	2.49	6.37	1.12	0.363	1.19	0.770	0.475	2.25	1981
1982	0.218	0.177	0.245	3.16	11.8	3.08	3.35	3.82	1.63	1.16	0.614	0.339	3.54	1982
1983	0.322	0.318	0.327	4.63	3.31	3.43	4.28	3.26	3.33	3.29	1.48	0.510	3.22	1983
1984	0.151	0.149	0.163	3.44	6.69	12.8	5.38	1.51	2.02	3.20	1.69	0.599	4.38	1984
1985	0.245	0.176	0.183	4.86	14.9	3.53	1.34	0.372	1.22	2.22	0.718	0.248	3.58	1985
1986	0.095	0.090	0.393	1.62	6.71	4.63	12.8	5.23	1.34	1.58	0.586	0.443	4.31	1986
1987	0.404	0.412	1.22	5.63	5.03	6.30	1.14	1.15	0.755	0.736	---	---	2.73	1987
1988	---	---	0.244	1.18	2.18	5.73	28.3	2.36	2.39	1.22	---	---	5.48	1988
1989	---	---	0.093	0.956	16.2	14.2	12.6	1.47	1.66	4.37	---	---	6.45	1989
1990	---	---	0.272	7.46	14.8	17.3	2.45	0.540	0.513	0.615	---	---	5.45	1990
MEAN	0.326	0.240	0.322	5.42	9.69	7.84	7.42	4.64	5.40	3.56	1.48	0.556	5.49	MEAN

LOCATION - LAT 56 42 18 N DRAINAGE AREA, 959 km^2
LONG 111 21 20 W NATURAL FLOW

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	19.4 ON JUL 02	0 B ON MAR 12 *	---	1965
1966	---	78.2 ON MAY 23	---	---	1966
1967	---	52.1 ON AUG 03	---	---	1967
1968	---	48.1 ON JUN 30	---	---	1968
1969	---	56.4 ON APR 20	---	---	1969
1970	---	135 ON JUL 02 *	0.057B ON APR 04	246 000	1970
1971	---	48.4B ON APR 22	0.328B ON MAR 05	90 500	1971
1972	---	39.4 ON MAY 02	0.320B ON MAR 09	86 900	1972
1973	---	59.2 ON JUN 17	0.283B ON APR 06	191 000	1973
1974	---	55.8 ON APR 25	0.420B ON APR 03	155 000	1974
1975	---	28.9 ON MAY 27	0.113B ON MAR 01	160 000	1975
1976	---	127 ON AUG 28	0.212B ON MAR 01	153 000	1976
1977	---	26.8 ON MAY 30	0.255B ON MAR 01	129 000	1977
1978	---	25.3 ON SEP 10	0.170B ON MAR 01	---	1978
1979	---	26.0 ON MAY 14	0.200B ON MAR 01	119 000	1979
1980	---	43.4 ON AUG 05	0.012B ON MAR 03	118 000	1980
1981	---	16.1 ON JUL 23	0.102 ON SEP 14	47 700	1981
1982	---	23.0B ON APR 30	0.210B ON MAR 01	75 000	1982
1983	---	12.0B ON APR 19	0.300B ON MAR 04	68 200	1983
1984	52.6 AT 16:59 MST ON JUN 02	48.2 ON JUN 02	0.148B ON MAR 01	92 700	1984
1985	---	37.5E ON MAY 05	0.160B ON MAR 01	75 800	1985
1986	23.1 AT 11:25 MST ON JUL 31	22.0 ON JUL 31	0.130B ON MAR 01	91 300	1986
1987	13.9 AT 19:42 MST ON JUN 03	13.6 ON JUN 04	---	57 800	1987
1988	114 AT 17:27 MST ON JUL 07 *	84.1 ON JUL 07	---	116 000	1988
1989	60.8 AT 08:15 MST ON MAY 22	59.5 ON MAY 22	0.009B ON MAR 13	137 000	1989
1990	85.0 AT 14:36 MST ON JUN 13	81.0 ON JUN 13	0.021B ON MAR 21	115 000	1990
				116 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	6.57	2.98	7.83	4.19	1.09	0.110	---	1975
1976	0.030	0.024	0.032	2.47	0.809	0.136	0.233	0.663	2.22	2.15	0.406	0.018	1.08	1976
1977	0.007	0.008	0.009	1.57	1.11	1.09	1.59	0.423	0.504	0.965	0.301	0.021	0.906	1977
1978	0.007	0.006	0.010	0.926	2.67	1.49	0.354	1.98	9.22	5.69	1.11	0.154	2.78	1978
1979	0.012	0.009	0.028	1.02	6.73	2.29	0.677	1.56	2.59	1.59	0.693	0.043	2.06	1979
1980	0.012	0.004	0.005	0.749	0.202	0.020	0.029	0.888	3.45	2.18	0.601	0.032	0.934	1980
1981	0.024	0.010	0.012	0.182	0.891	0.644	1.31	0.103	0.051	0.121	0.044	0.017	0.416	1981
1982	0.005	0.004	0.005	0.216	2.56	1.01	0.489	0.498	0.285	0.123	0.001	0	0.650	1982
1983	0	0	0	0.329	0.384	0.389	0.403	0.170	0.039	0.039	0.051	0.004	0.219	1983
1984	0.002	0	0.002	0.104	0.251	0.850	1.05	1.00	1.52	1.66	0.396	0.034	0.804	1984
1985	0	0	0.002	2.74	8.32	1.67	0.400	0.070	0.890	1.73	0.626	0.003	1.98	1985
1986	0	0	0.055	1.17	3.91	4.34	2.68	1.39	0.466	0.710	0.090	0	1.60	1986
1987	0	0	0.020	3.93	3.98	1.73	0.627	0.124	0.314	0.400	---	---	1.63	1987
1988	---	---	0.023	1.85	4.21	4.05	4.47	1.23	2.99	1.83	---	---	2.58	1988
1989	---	---	0.036	0.589	9.88	4.34	4.24	1.92	1.25	1.47	---	---	2.98	1989
1990	---	---	0.036	2.42	9.58	3.03	0.904	0.077	0.005	0.027	---	---	2.01	1990
MEAN	0.008	0.005	0.018	1.35	3.70	1.81	1.63	0.942	2.10	1.55	0.451	0.036	1.51	MEAN

LOCATION - LAT 57 15 34 N
LONG 111 27 53 W
DRAINAGE AREA, 358 km^2
NATURAL FLOW

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	14.9 AT 20:00 MST ON JUL 20	14.8 ON JUL 20	---	---	1975
1976	---	5.04 B ON APR 12	0.015 ON JUN 23	22 900	1976
1977	4.13 B AT 19:00 MST ON APR 19	3.77 B ON APR 19	0.007B ON MAR 24	19 200	1977
1978	14.9 AT 18:50 MST ON SEP 10	14.8 ON SEP 11	0.006B ON MAR 01	50 800	1978
1979	8.07 AT 19:00 MST ON MAY 20	7.88 ON MAY 20	0.015B ON APR 04	43 600	1979
1980	---	4.20 E ON SEP 23	0.004B ON MAR 01	19 800	1980
1981	2.30 AT 13:05 MST ON JUL 17	2.26 ON JUL 17	0.008B ON MAR 01	8 810	1981
1982	1.67 AT 15:59 MST ON MAY 20	3.64 ON MAY 21	0.004B ON MAR 01	13 800	1982
1983	0.649 AT 12:45 MST ON APR 27	0.616 ON APR 27	0 B ON MAR 01 *	4 630	1983
1984	2.35 AT 16:06 MST ON OCT 22	2.35 ON OCT 23	0 B ON MAR 01	17 000	1984
1985	18.7 AT 15:17 MST ON MAY 08 *	17.2 E ON MAY 08 *	0 B ON MAR 01	41 900	1985
1986	4.60 AT 19:59 MST ON MAY 13	4.56 ON MAY 13	0 B ON MAR 01	33 800	1986
1987	6.35 AT 22:58 MST ON APR 23	6.31 A ON APR 23	0 B ON MAR 01	34 400	1987
1988	7.45 AT 21:00 MST ON JUN 14	7.34 ON JUL 16	0.007B ON MAR 30	54 600	1988
1989	16.7 AT 16:59 MST ON MAY 23	16.5 ON MAY 24	0.030B ON MAR 11	63 000	1989
1990	14.9 AT 14:39 MST ON MAY 09	14.8 ON MAY 09	0 ON AUG 24	42 600	1990
				31 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	0.567	0.608	0.366	0.221	0.222	0.210	---	---	---	1916
1920	---	---	---	0.011	0.005	0.017	0.011	0	---	---	---	---	---	1920
1921	---	---	0.004	0.109	0.030	0	0	0	0	0	---	---	---	1921
1922	---	---	0	0.005	0	0	0	0	0	0	---	---	---	1922
MEAN	---	---	0.002	0.042	0.151	0.156	0.094	0.055	0.074	0.070	---	---	---	MEAN

LOCATION - LAT 53 24 31 N LONG 112 49 38 W DRAINAGE AREA, 295 km² NATURAL FLOW

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1920	---	0.074 ON APR 23	0 ON APR 01 *	---	1920
1921	---	0.210 ON APR 14 *	0B ON MAR 01	---	1921
1922	---	0.042 ON APR 05	0 ON MAR 01	---	1922
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	49.9	---	---	---	1974
1975	---	---	1.08	23.4	161	126	103	45.7	38.0	22.7	---	---	65.1	1975
1976	---	---	1.97	97.2	166	215	235	260	219	161	---	---	169	1976
1977	---	---	5.00	101	248	613	431	253	171	121	---	---	242	1977
1978	---	---	2.09	12.7	256	195	97.6	64.1	127	80.4	---	---	104	1978
1979	---	---	0.828	0.771	352	431	278	151	119	92.8	---	---	178	1979
1980	---	---	1.18	29.4	28.6	21.6	21.0	23.4	17.8	29.2	---	---	21.5	1980
1981	---	---	0.422	13.8	284	86.4	33.1	8.52	4.36	3.37	---	---	54.5	1981
1982	---	---	0.140	0.976	273	123	42.6	19.4	16.1	11.6	---	---	61.0	1982
1983	---	---	0.405	38.6	237	140	74.2	50.6	25.2	13.7	---	---	72.6	1983
1984	---	---	0.638	18.2	54.8	132	225	81.5	132	93.8	---	---	92.2	1984
1985	---	---	1.69	45.4	321	167	107	85.1	109	104	---	---	118	1985
1986	---	---	1.89	29.8	224	147	128	62.4	19.7	30.0	---	---	80.5	1986
1987	---	---	0.909	70.3	263	218	106	208	95.1	56.1	---	---	127	1987
1988	---	---	2.32	57.0	235	265	410	191	130	97.3	---	---	174	1988
1989	---	---	3.31	22.6	460	320	179	132	106	77.0	---	---	163	1989
1990	---	---	3.23	93.7	255	221	83.2	15.9	4.99	3.31	---	---	84.7	1990
MEAN	---	---	1.69	40.9	239	214	160	103	83.4	61.6	---	---	113	MEAN

LOCATION - LAT 59 08 58 N LONG 117 38 03 W DRAINAGE AREA, 36 900 km² NATURAL FLOW

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	252 AT 01:00 MST ON JUN 01	249 ON JUN 01	0.861B ON MAR 30	1 380 000	1975
1976	524 AT 13:00 MST ON AUG 23	518 ON AUG 23	1.32 B ON MAR 01	1 580 000	1976
1977	878 AT 12:00 MST ON JUN 16 *	878 ON JUN 16 *	1.77 B ON APR 08	2 130 000	1977
1978	428 AT 00:30 MST ON MAY 05	422 ON MAY 05	1.23 B ON APR 11	2 210 000	1978
1979	700 AT 14:00 MST ON JUN 03	700 ON JUN 03	0.503B ON APR 17	3 770 000	1979
1980	116B AT 03:00 MST ON APR 23	102B ON APR 23	1.09 B ON MAR 01	455 000	1980
1981	567 AT 00:00 MST ON MAY 05	563 ON MAY 05	0.100B ON MAR 05	1 150 000	1981
1982	371 AT 11:00 MST ON MAY 08	370 ON MAY 08	0.050B ON MAR 01 *	1 290 000	1982
1983	308B AT 04:00 MST ON APR 29	300B ON APR 29	0.325B ON APR 03	1 540 000	1983
1984	363 AT 02:00 MST ON JUL 13	358 ON JUL 13	0.570B ON MAR 23	1 950 000	1984
1985	499 AT 12:00 MST ON MAY 10	496 ON MAY 10	1.34 B ON MAR 28	2 490 000	1985
1986	262 AT 19:00 MST ON MAY 14	261A ON MAY 14	1.55 B ON MAR 31	1 700 000	1986
1987	495 AT 04:30 MST ON AUG 09	489 ON AUG 09	0.726B ON MAR 18	2 690 000	1987
1988	666 AT 21:00 MST ON JUL 06	658 ON JUL 07	2.16 B ON MAR 19	3 680 000	1988
1989	633 AT 18:00 MST ON MAY 06	631 ON MAY 06	2.75 B ON MAR 01	3 440 000	1989
1990	374 AT 20:30 MST ON APR 28	371 ON APR 28	2.55 B ON OCT 26	1 790 000	1990
				2 390 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	0.013	0.009	---	---	---	1978
1979	---	---	0.342	0.184	0.097	0.028	0.017	0	0	0	---	---	0.084	1979
1980	---	---	0	0.509	0	0	0	0	0	0	---	---	0.062	1980
1981	---	---	0.156	0.060	0.033	0	0	0.003	0	0	---	---	0.032	1981
1982	---	---	0	1.35	0.017	0.016	0.043	0.018	0.010	0	---	---	0.178	1982
1983	---	---	0.023	0.084	0.001	0.002	0.378	0.005	0	0	---	---	0.062	1983
1984	---	---	0.008	0.030	0.030	0.004	0	0	0.001	0	---	---	0.009	1984
1985	---	---	0.358	0.485	0.049	0.018	0	0	0	0	---	---	0.113	1985
1986	---	---	0.349	0.027	0.245	0.002	0.077	0.044	0.009	0.010	---	---	0.096	1986
1987	---	---	0	0.535	0.035	0.015	0.001	0.001	0	0	---	---	0.072	1987
1988	---	---	0	0.001	0	0.001	0.041	0.009	0.008	0.002	---	---	0.008	1988
1989	---	---	0	0.756	0.033	0.016	0.008	0.015	0.002	0.001	---	---	0.102	1989
1990	---	---	0.357	0.133	0.150	0.583	0.059	0.001	0	0	---	---	0.159	1990
MEAN	---	---	0.133	0.346	0.058	0.057	0.052	0.008	0.003	0.002	---	---	0.081	MEAN

LOCATION - LAT 52 19 55 N LONG 113 21 40 W
DRAINAGE AREA, 166 km²
NATURAL FLOW

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0E ON AUG 11 *	---	1978
1979	1.51 AT 07:00 MST ON MAR 19	1.19 A ON MAR 15	0B ON MAR 01	1 770	1979
1980	---	1.34 E ON APR 08	0 ON MAR 01	1 320	1980
1981	0.747 AT 08:20 MST ON MAR 17	0.650 ON MAR 17	0 ON MAY 16	671	1981
1982	6.56 AT 17:37 MST ON APR 18 *	6.37 ON APR 18 *	0B ON MAR 01	3 780	1982
1983	1.27 AT 01:23 MST ON JUL 07	1.05 ON JUL 07	0B ON MAR 01	1 310	1983
1984	0.763 AT 19:00 MST ON MAY 02	0.316 ON MAY 03	0B ON MAR 01	194	1984
1985	2.99 AT 13:59 MST ON APR 03	2.89 ON APR 03	0B ON MAR 01	2 390	1985
1986	---	1.26 B ON MAR 03	0 ON JUN 10	2 040	1986
1987	---	4.40 B ON APR 05	0B ON MAR 01	1 530	1987
1988	---	0.119 ON JUL 29	0B ON MAR 01	170	1988
1989	3.80 B AT 07:58 MST ON APR 09	2.67 ON APR 13	0B ON MAR 01	2 160	1989
1990	1.53 AT 05:00 MST ON JUN 15	1.47 ON JUN 15	0B ON MAR 01	3 370	1990
				1 730	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HEART RIVER AT PEACE RIVER - STATION NO. 07HA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	10.1	9.76	2.59	1.38	1.54	0.931	0.275	---	1915
1916	0.168	0.204	0.175	16.9	14.6	5.40	8.45	1.56	0.860	1.42	0.591	0.117	4.20	1916
1917	0.017	0	0.051	11.8	23.0	7.83	1.60	1.74	0.726	0.562	0.431	0.053	4.01	1917
1918	0	0	0	7.75	8.31	2.90	5.84	1.09	0.289	0.253	0.103	0	2.22	1918
1919	0	0	0.016	3.12	7.65	21.2	19.9	5.63	2.90	1.15	0.362	0.022	5.19	1919
1920	0.001	0.008	0.012	19.3	93.0	46.4	14.6	3.67	3.38	7.23	1.46	0.247	15.8	1920
1921	0.018	0.126	0.318	9.51	9.06	10.6	5.80	2.28	---	---	---	---	---	1921
MEAN	0.034	0.056	0.095	11.4	25.9	14.9	9.42	2.65	1.59	2.03	0.646	0.119	6.28	MEAN

LOCATION - LAT 56 13 50 N LONG 117 17 10 W
DRAINAGE AREA, 2 250 km²
NATURAL FLOW

HEART RIVER AT PEACE RIVER - STATION NO. 07HA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	23.8 ON APR 24	0.020B ON DEC 29	133 000	1916
1917	---	49.6 ON MAY 17	0 B ON JAN 27 *	126 000	1917
1918	---	23.4 ON JUL 15	0 B ON JAN 01	70 100	1918
1919	---	50.1 ON JUL 10	0 B ON JAN 01	164 000	1919
1920	---	174 ON MAY 14 *	0 B ON JAN 01	501 000	1920
1921	---	19.8 ON JUN 11	0 ON JAN 17	---	1921
				199 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HEART RIVER NEAR NAMPA - STATION NO. 07HA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.153	41.4	26.6	1.42	0.261	0.150	0.055	0.121	---	---	---	1963
1964	---	---	0.074	4.17	19.2	3.67	23.1	46.8	2.89	3.56	---	---	---	1964
1965	---	---	0.258	42.8	28.8	3.86	0.201	0.110	0.126	0.314	---	---	---	1965
1966	---	---	0.487	3.30	0.855	0.251	0.266	0.081	0.038	0.080	---	---	---	1966
1967	---	---	0.184	0.643	34.3	2.15	0.052	0.007	0.003	0.032	---	---	---	1967
1968	---	---	2.36	2.99	1.02	4.98	0.508	0.042	0.067	0.468	---	---	---	1968
1969	---	---	0.183	13.6	6.45	0.370	0.263	0.058	2.96	5.75	---	---	---	1969
1970	---	---	0.204	19.6	4.35	1.57	4.85	0.231	0.230	0.535	0.453	0.336	---	1970
1971	0.239	0.208	0.194	12.9	3.74	2.12	11.9	0.734	0.044	0.193	0.234	0.325	3.32	1971
1972	0.117	0.164	0.443	10.8	10.7	0.964	1.24	0.673	0.290	1.25	0.865	0.515	2.33	1972
1973	0.353	0.349	0.321	19.8	13.1	13.3	8.79	9.87	10.1	4.11	2.44	0.599	6.93	1973
1974	0.358	0.268	0.240	42.6	22.3	3.01	2.74	0.876	2.46	1.85	1.29	0.595	6.53	1974
1975	0.343	0.243	0.233	6.34	4.76	4.80	8.23	1.29	7.65	2.54	1.63	0.538	3.22	1975
1976	0.277	0.266	0.223	19.5	6.11	13.1	9.20	15.2	4.77	2.07	1.22	0.510	6.02	1976
1977	0.297	0.296	0.394	8.04	8.55	20.4	3.70	0.920	0.385	1.25	0.654	0.394	3.76	1977
1978	0.322	0.216	0.259	6.42	11.3	2.22	0.212	0.027	1.51	2.13	0.854	0.481	2.17	1978
1979	0.277	0.378	0.273	10.0	26.3	18.2	28.0	1.83	0.241	0.570	0.329	0.287	7.29	1979
1980	0.220	0.163	0.218	2.13	0.275	0.264	0.048	0.060	0.247	0.558	0.356	0.133	0.386	1980
1981	0.149	0.134	0.575	6.38	3.44	0.471	0.127	0.005	0	0.009	0.093	0.079	0.954	1981
1982	0.076	0.123	0.142	2.57	2.98	0.054	0	0.016	0.001	0.048	0.075	0.064	0.514	1982
1983	0.054	0.049	0.070	0.607	0.126	0.657	8.51	6.61	1.30	1.37	0.819	0.330	1.73	1983
1984	0.220	0.187	0.818	1.39	9.64	12.2	27.7	0.744	0.920	1.18	0.765	0.380	4.71	1984
1985	0.227	0.162	0.681	17.3	11.4	1.49	0.181	0.064	1.77	3.61	1.08	0.298	3.19	1985
1986	0.244	0.167	4.73	0.64	5.91	1.78	4.79	1.14	0.098	0.452	0.459	0.282	2.40	1986
1987	0.218	0.193	0.198	4.04	0.409	0.485	0.547	5.07	0.734	0.357	0.493	0.258	1.09	1987
1988	0.189	0.194	0.452	2.37	3.44	8.76	16.3	0.526	0.069	0.376	0.313	0.216	2.78	1988
1989	0.131	0.089	0.119	4.55	4.88	2.40	0.858	4.61	2.89	4.35	1.54	0.393	2.25	1989
1990	0.261	0.236	2.22	12.6	6.02	17.4	2.07	0.190	0.010	0.068	0.134	0.134	3.42	1990
MEAN	0.229	0.204	0.597	11.7	9.89	5.33	5.88	3.50	1.49	1.40	0.767	0.327	3.25	MEAN

LOCATION - LAT 56 03 20 N
LONG 117 07 42 W
DRAINAGE AREA, 1 960 km²
NATURAL FLOW

HEART RIVER NEAR NAMPA - STATION NO. 07HA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	101 ON APR 28	---	---	1963
1964	---	147 ON AUG 03 *	---	---	1964
1965	---	129 ON APR 29	0 ON JUL 22 *	---	1965
1966	---	7.70B ON APR 01	---	---	1966
1967	---	63.7 ON MAY 09	0 ON JUL 22	---	1967
1968	---	26.3 ON JUN 15	---	---	1968
1969	---	30.9 B ON APR 12	---	---	1969
1970	---	30.6 ON APR 23	---	---	1970
1971	60.0 AT 21:00 MST ON JUN 29	56.9 ON JUN 30	0.013 ON SEP 20	105 000	1971
1972	39.6 AT 18:15 MST ON APR 30	37.9 ON APR 30	0.014 ON SEP 13	73 500	1972
1973	64.3 AT 15:00 MST ON APR 23	63.1 ON APR 23	0.283B ON JAN 05	219 000	1973
1974	126 AT 05:00 MST ON APR 19 *	121 ON APR 19	0.170B ON MAR 20	206 000	1974
1975	37.4 AT 05:00 MST ON JUN 30	36.8 ON JUN 30	0.147 ON AUG 15	102 000	1975
1976	88.1 AT ON AUG 19	81.0 ON AUG 19	0.193B ON FEB 28	191 000	1976
1977	76.5 AT 15:30 MST ON JUN 04	72.8 ON JUN 04	0.184 ON SEP 16	119 000	1977
1978	43.9 AT 02:00 MST ON MAY 01	40.5 ON MAY 01	0.013A ON AUG 02	68 400	1978
1979	105 A AT 01:00 MST ON APR 30	100 E ON APR 30	0.150B ON JAN 16	230 000	1979
1980	7.28B AT 17:00 MST ON APR 19	3.69B ON APR 18	0.012E ON AUG 18	12 200	1980
1981	13.8 AT 18:00 MST ON APR 28	13.5 ON APR 28	0 ON AUG 19	30 100	1981
1982	24.2 B AT 16:30 MST ON APR 25	16.3 B ON APR 25	0 ON JUN 19	16 200	1982
1983	---	54.0 E ON JUL 29	0 ON MAY 18	54 600	1983
1984	76.0 AT 00:30 MST ON JUL 11	73.8 ON JUL 11	0.066 ON MAY 11	149 000	1984
1985	34.6 B AT 18:30 MST ON APR 09	25.1 B ON APR 10	0.011 ON JUL 13	101 000	1985
1986	36.4 AT 00:00 MST ON MAR 30	29.7 B ON MAR 30	0.013 ON SEP 04	75 800	1986
1987	18.2 AT 09:30 MST ON AUG 11	16.9 ON AUG 11	0.006 ON JUL 26	34 300	1987
1988	44.7 AT 07:00 MST ON JUL 14	44.1 ON JUL 14	0.012 ON SEP 10	87 900	1988
1989	18.1 AT 11:30 MST ON MAY 25	16.8 ON MAY 25	0.072B ON FEB 03	70 800	1989
1990	73.2 AT 16:30 MST ON JUN 13	68.8 ON JUN 13	0.008 ON SEP 22	108 000	1990
				103 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO. 07AC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.392	0.312	0.286	0.165	---	---	---	---	---	1974
MEAN	---	---	---	---	0.392	0.312	0.286	0.165	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 37 N
LONG 118 22 03 W
DRAINAGE AREA, 24.9 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO. 07AC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.620 AT 23:30 MST ON MAY 23 *	0.589 ON MAY 25 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	0.158	0.294	0.213	0.058	0.023	---	---	1977
1978	---	---	---	0.017	0.131	0.073	0.103	0.173	0.217	0.046	---	---	0.109	1978
1979	---	---	---	0.021	0.105	0.249	0.171	0.236	0.008	0	---	---	0.113	1979
1980	---	---	---	0.001	0.043	0.294	0.095	0.283	0.017	0	---	---	0.105	1980
1981	---	---	---	0.004	0.117	0.288	0.483	0.452	0.121	0	---	---	0.210	1981
1982	---	---	---	0	0.333	0.507	0.395	0.611	0.430	0.165	---	---	0.349	1982
1983	---	---	---	0	0.273	0.697	0.846	0.411	0.244	0.135	---	---	0.373	1983
1984	---	---	---	0.040	0.464	0.876	1.02	0.730	0.314	0.215	---	---	0.524	1984
1985	---	---	---	0.004	0.882	1.26	1.21	0.875	0.775	0.470	0.002	---	0.783	1985
1986	---	---	---	0.003	0.376	1.25	1.35	0.913	0.745	0.308	0.003	---	0.708	1986
1987	---	---	---	0.002	0.944	1.33	1.35	0.921	0.745	0.361	---	---	0.810	1987
1988	---	---	---	0.367	1.17	1.29	1.26	1.03	0.572	0.270	---	---	0.853	1988
1989	---	---	---	0	0.617	1.16	1.24	0.961	0.715	0.356	---	---	0.722	1989
1990	---	---	---	0	0.531	0.733	1.40	0.578	0.368	0.157	---	---	0.541	1990
MEAN	---	---	---	0.035	0.460	0.770	0.792	0.605	0.392	0.182	0.009	---	0.477	MEAN

LOCATION - LAT 50 33 08 N
LONG 113 59 20 W REGULATED

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	0.331 ON SEP 13	0 ON APR 01 *	2 010	1978
1979	---	0.377 ON MAY 30	0 B ON APR 01	2 090	1979
1980	---	0.446 ON AUG 13	0 ON APR 01	1 940	1980
1981	---	0.769 ON JUL 26	0 ON APR 01	3 890	1981
1982	---	0.848 ON SEP 26	0 E ON APR 01	6 460	1982
1983	---	1.14 ON JUL 09	0 ON APR 01	6 900	1983
1984	---	1.29 ON JUL 22	0 B ON APR 01	9 690	1984
1985	---	1.58 ON JUL 04	0 ON OCT 29	14 500	1985
1986	---	1.57 ON JUL 18	0 ON MAY 03	13 100	1986
1987	---	1.75 ON JUL 10	0.001 ON APR 01	15 000	1987
1988	---	1.79 ON JUL 13 *	0 ON APR 01	15 800	1988
1989	---	1.38 ON JUL 11	0 ON APR 01	13 400	1989
1990	---	1.62 ON JUL 25	0 ON APR 01	10 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 830	MEAN

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO. 05BL008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	16.0	8.94	7.85	---	---	---	1912
1913	---	---	---	---	19.7	42.3	17.8	10.8	10.2	7.40	---	---	---	1913
1914	---	---	---	---	25.2	46.2	17.5	5.55	4.88	7.73	---	---	---	1914
1915	---	---	---	15.1	49.6	77.0	48.4	18.2	9.91	8.69	---	---	---	1915
1916	---	---	---	9.65	25.4	104	61.5	26.8	16.7	10.6	7.27	4.11	---	1916
1917	2.72	1.38	1.80	5.32	50.3	82.6	25.4	9.19	6.32	4.69	3.78	1.93	16.3	1917
1918	1.91	1.04	1.12	6.48	16.1	38.6	13.2	11.0	7.52	6.21	4.23	3.08	9.22	1918
1919	2.12	1.93	1.92	5.78	31.7	23.9	9.86	12.1	4.75	3.85	1.94	2.22	8.56	1919
1920	1.88	1.84	2.11	---	---	---	---	---	---	---	---	---	---	1920
MEAN	2.16	1.55	1.74	8.47	31.1	59.2	27.7	14.7	8.65	7.13	4.31	2.84	11.4	MEAN

LOCATION - LAT 50 31 44 N DRAINAGE AREA, 1 200 km^2
LONG 114 14 14 W NATURAL FLOW

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO. 05BL008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	54.4 ON JUN 28	---	---	1913
1914	---	75.0 ON JUN 03	---	---	1914
1915	---	214 ON JUN 26	---	---	1915
1916	---	228 ON JUN 28 *	---	---	1916
1917	---	136 ON JUN 09	0.708B ON FEB 13	515 000	1917
1918	---	78.2 ON JUN 10	0.068B ON MAR 06 *	291 000	1918
1919	---	71.6 ON MAY 23	0.821B ON FEB 25	270 000	1919
1920	---	---	---	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		359 000	MEAN

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	5.99	3.12	2.87	---	---	---	1950
1951	---	---	---	---	40.6	50.4	46.8	15.1	20.4	14.0	---	---	---	1951
1952	---	---	2.18	9.13	22.7	28.2	16.5	9.60	5.35	3.62	---	---	12.0	1952
1953	---	---	1.83	2.55	25.1	87.0	25.1	7.51	4.21	3.67	---	---	19.5	1953
1954	---	---	2.07	2.02	29.1	46.8	29.5	9.01	6.42	7.95	---	---	16.6	1954
1955	---	---	1.84	2.36	12.7	38.4	24.2	6.68	3.92	4.59	---	---	11.8	1955
1956	---	---	1.47	4.05	32.8	35.9	25.1	8.27	4.60	3.53	---	---	14.5	1956
1957	---	---	1.12	2.51	31.6	24.3	8.54	4.46	3.76	3.20	---	---	9.93	1957
1958	---	---	1.30	2.51	29.6	20.7	19.8	7.60	4.67	3.19	---	---	11.2	1958
1959	---	---	1.80	2.80	20.6	40.1	16.9	6.36	6.77	5.15	---	---	12.5	1959
1960	---	---	2.71	5.16	19.4	34.4	13.7	6.36	3.65	2.51	---	---	10.9	1960
1961	---	---	1.78	1.92	30.3	42.0	10.6	7.13	5.27	9.50	---	---	13.5	1961
1962	---	---	1.87	7.72	17.9	27.6	11.1	5.00	4.07	2.85	---	---	9.72	1962
1963	---	---	1.78	2.58	14.2	40.7	33.5	6.04	3.25	2.60	---	---	13.1	1963
1964	---	---	1.53	2.06	21.2	56.2	16.8	5.31	4.47	4.28	---	---	13.9	1964
1965	---	---	1.42	3.44	13.6	46.4	26.7	9.51	6.13	7.13	---	---	14.2	1965
1966	---	---	2.12	3.80	25.3	36.7	15.2	6.68	4.00	3.15	---	---	12.1	1966
1967	---	---	1.68	1.62	27.2	72.3	22.1	9.79	4.09	3.17	---	---	17.2	1967
1968	---	---	2.06	2.29	13.8	29.9	18.1	7.48	6.67	7.68	---	---	10.6	1968
1969	---	---	0.760	5.62	26.3	41.7	32.3	7.15	4.29	3.64	---	---	15.2	1969
1970	---	---	1.57	1.78	18.6	44.5	12.5	4.59	3.59	2.94	---	---	11.2	1970
1971	---	---	1.45	3.14	32.2	44.7	14.1	5.85	3.57	3.43	---	---	13.5	1971
1972	---	---	1.54	2.93	34.9	61.9	19.4	11.3	6.51	4.95	---	---	17.9	1972
1973	---	---	1.85	2.29	20.6	39.4	13.2	5.65	5.26	3.44	---	---	11.4	1973
1974	---	---	1.63	4.15	22.8	69.5	20.3	9.56	6.28	4.38	---	---	17.2	1974
1975	---	---	1.69	2.06	16.6	49.7	23.8	8.62	5.12	3.89	---	---	13.9	1975
1976	---	---	1.74	4.14	28.7	21.8	13.6	19.5	7.70	4.16	---	---	12.7	1976
1977	---	---	1.57	2.94	10.6	11.9	4.73	7.08	5.94	4.17	---	---	6.10	1977
1978	---	---	1.68	3.03	17.5	39.3	20.6	7.64	5.69	4.50	---	---	12.4	1978
1979	---	---	1.46	2.55	20.3	24.5	9.66	5.87	3.69	2.48	---	---	8.80	1979
1980	---	---	1.49	7.06	29.3	37.8	9.57	8.19	5.97	5.71	---	---	13.1	1980
1981	---	---	2.21	3.96	41.4	44.0	23.2	10.8	4.81	3.53	---	---	16.7	1981
1982	---	---	1.46	2.03	12.2	30.4	11.4	4.52	3.96	3.50	---	---	8.64	1982
1983	---	---	1.56	3.08	17.6	22.5	11.7	4.42	3.12	2.74	---	---	9.12	1983
1984	---	---	1.47	2.59	8.75	23.8	9.76	4.27	2.98	2.90	---	---	7.03	1984
1985	---	---	1.26	2.79	16.5	19.3	6.68	5.63	12.0	8.31	---	---	9.03	1985
1986	---	---	2.63	4.98	27.9	34.2	10.3	5.20	5.08	6.37	---	---	12.1	1986
1987	---	---	2.08	4.80	23.8	13.3	11.4	9.00	4.69	3.11	---	---	9.04	1987
1988	---	---	1.52	3.42	16.3	21.4	6.46	5.50	3.13	3.29	---	---	7.62	1988
1989	---	---	1.44	2.90	16.1	25.2	9.33	5.11	5.80	3.45	---	---	8.63	1989
1990	---	---	1.56	4.99	38.7	50.4	21.6	10.2	4.20	3.74	---	---	16.9	1990
MEAN	---	---	1.70	3.48	23.1	38.2	17.3	7.45	5.32	4.47	---	---	12.3	MEAN

LOCATION - LAT 50 24 20 N DRAINAGE AREA, 774 km^2
LONG 114 29 50 W NATURAL FLOW

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	115 AT 02:00 MST ON JUN 15	107 ON JUN 15	---	---	1951
1952	53.5 AT 10:30 MST ON JUN 12	43.0 ON JUN 12	---	---	1952
1953	283 AT 01:00 MST ON JUN 09 *	217 ON JUN 09 *	2.01 A ON MAR 09	254 000	1953
1954	89.8 AT 22:00 MST ON MAY 19	72.2 ON MAY 20	1.73 E ON MAR 24	412 000	1954
			1.61 B ON APR 06	351 000	
1955	71.9 AT 02:00 MST ON JUN 13	63.4 ON JUN 13	1.78 B ON MAR 01	250 000	1955
1956	90.6 AT 23:00 MST ON MAY 20	78.2 ON MAY 21	1.25 B ON MAR 01	306 000	1956
1957	47.0 AT 06:00 MST ON MAY 20	45.0 ON MAY 20	0.510B ON MAR 01	210 000	1957
1958	47.9 AT 01:00 MST ON MAY 23	44.2 ON MAY 21	0.963B ON MAR 01	237 000	1958
1959	60.9 AT 02:00 MST ON JUN 06	56.4 ON JUN 06	1.70 A ON MAR 18	265 000	1959
1960	61.2 AT 22:00 MST ON JUN 03	56.1 ON JUN 03	1.93 B ON MAR 12	232 000	1960
1961	119 AT 08:00 MST ON MAY 27	111 ON MAY 27	1.70 B ON MAR 10	286 000	1961
1962	38.2 AT 04:00 MST ON JUN 18	36.8 ON JUN 17	1.78 ON MAR 24	206 000	1962
1963	186 AT 20:00 MST ON JUN 29	133 ON JUN 30	1.42 B ON MAR 01	276 000	1963
1964	113 AT 18:00 MST ON JUN 08	105 ON JUN 08	1.32 B ON MAR 18	294 000	1964
1965	138 AT 05:00 MST ON JUN 18	123 ON JUN 18	1.20 B ON MAR 01	302 000	1965
1966	66.5 AT 23:00 MST ON JUN 04	63.1 ON JUN 05	1.72 B ON MAR 01	256 000	1966
1967	258 AT 18:00 MST ON MAY 30	169 ON MAY 31	1.36 ON APR 05	365 000	1967
1968	43.6 AT 24:00 MST ON JUN 10	42.2 ON JUN 10	1.85 B ON MAR 01	224 000	1968
1969	94.9 AT 16:48 MST ON JUN 29	90.0 ON JUN 29	0.578 ON MAR 20	322 000	1969
1970	101 AT 23:08 MST ON JUN 13	87.8 ON JUN 14	1.42 B ON MAR 01	237 000	1970
1971	93.2 AT 09:30 MST ON JUN 06	88.3 ON JUN 06	1.13 B ON MAR 01	286 000	1971
1972	134 AT 00:30 MST ON JUN 01	121 ON JUN 01	0.396B ON MAR 02 *	378 000	1972
1973	64.6 AT 08:00 MST ON JUN 07	60.9 ON JUN 07	1.48 ON MAR 05	242 000	1973
1974	143 AT 02:30 MST ON JUN 17	127 ON JUN 17	1.42 B ON MAR 08	364 000	1974
1975	174 AT 00:30 MST ON JUN 20	130 ON JUN 20	1.61 ON APR 10	294 000	1975
1976	101 AT 15:00 MST ON AUG 05	60.6 ON AUG 06	1.65 B ON MAR 19	269 000	1976
1977	19.7 AT 03:00 MST ON JUN 08	19.2 ON JUN 08	1.50 B ON MAR 11	129 000	1977
1978	77.3 AT 03:00 MST ON JUN 06	70.5 ON JUN 06	1.00 B ON MAR 01	243 000	1978
1979	68.7 AT 03:00 MST ON MAY 27	60.1 ON MAY 27	0.944B ON MAR 27	186 000	1979
1980	70.1 AT 07:30 MST ON MAY 26	65.9 ON MAY 26	1.41 B ON MAR 21	277 000	1980
1981	148 AT 01:30 MST ON MAY 26	124 ON MAY 26	2.09 ON MAR 23	354 000	1981
1982	46.3 AT 01:40 MST ON JUN 15	43.5 ON JUN 16	1.40 B ON MAR 01	183 000	1982
1983	46.9 AT 02:33 MST ON MAY 30	42.9 ON MAY 30	1.41 ON MAR 29	176 000	1983
1984	35.8 AT 01:53 MST ON MAY 31	31.4 ON JUN 15	1.30 B ON OCT 31	149 000	1984
1985	40.5 AT 23:44 MST ON SEP 12	34.5 ON MAY 25	0.960B ON MAR 07	191 000	1985
1986	106 AT 01:26 MST ON MAY 29	95.2 ON MAY 29	2.22 ON MAR 19	255 000	1986
1987	39.6 AT 02:40 MST ON MAY 13	37.0 ON MAY 09	1.75 B ON MAR 28	191 000	1987
1988	53.3 AT 04:31 MST ON JUN 08	47.2 ON JUN 08	1.46 ON MAR 31	161 000	1988
1989	41.4 AT 02:34 MST ON JUN 07	38.9 ON JUN 07	1.29 B ON MAR 01	183 000	1989
1990	214 AT 02:39 MST ON MAY 26	178 ON MAY 26	1.16 B ON MAR 02	357 000	1990
				261 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	9.69	5.53	6.26	---	---	---	1908
1909	---	---	---	5.28	44.5	75.1	43.0	15.5	6.33	4.12	---	---	---	1909
1910	---	---	---	7.32	24.3	27.0	10.5	4.87	8.77	8.69	---	---	---	1910
1911	---	---	---	4.60	21.3	51.5	17.1	24.1	27.6	11.4	---	---	---	1911
1912	---	---	---	8.48	20.7	36.1	33.2	17.8	8.29	6.25	---	---	---	1912
1913	---	---	---	---	21.7	41.9	19.9	15.0	9.04	7.72	5.52	2.42	---	1913
1914	1.95	1.45	1.86	7.46	24.9	34.2	15.6	4.89	3.98	8.29	4.68	2.33	9.33	1914
1915	2.40	2.09	2.06	7.23	55.8	81.5	55.9	22.5	9.94	10.1	4.90	3.99	21.6	1915
1916	3.35	3.95	5.29	---	---	---	---	---	---	---	---	---	---	1916
1982	---	---	1.86	5.29	15.7	42.2	15.7	4.66	4.71	4.85	2.86	2.10	---	1982
1983	1.80	2.12	2.62	7.47	23.2	45.7	14.4	4.74	3.46	3.33	2.23	1.30	7.51	1983
1984	1.92	1.91	2.19	3.51	9.02	26.7	9.09	3.80	2.88	2.75	2.47	1.44	5.63	1984
1985	1.50	1.27	3.24	5.70	18.3	20.8	5.48	5.20	16.9	9.62	4.23	3.77	8.01	1985
1986	3.11	6.74	5.29	7.66	37.0	---	---	---	---	---	---	---	---	1986
MEAN	2.29	2.79	3.05	6.36	26.4	42.0	21.6	11.1	8.95	6.95	3.84	2.48	10.4	MEAN

LOCATION - LAT 50 35 00 N
LONG 113 52 20 W
DRAINAGE AREA, 1 980 km^2
REGULATED

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	125 ON JUN 03	---	---	1909
1910	---	48.7 ON MAY 26	---	---	1910
1911	---	92.0 ON JUN 03	---	---	1911
1912	---	190 ON JUN 16	---	---	1912
1913	---	62.9 ON MAY 31	---	---	1913
1914	---	54.4 ON JUN 04	1.22 B ON FEB 05	294 000	1914
1915	---	227 ON JUN 26 *	0.850 ON MAR 27 *	683 000	1915
1916	---	---	---	---	1916
1982	60.7 AT 09:44 MST ON JUN 16	56.2 ON JUN 16	---	---	1982
1983	53.6 AT 11:57 MST ON MAY 30	50.6 ON MAY 30	0.944B ON DEC 21	237 000	1983
1984	40.4 AT 11:30 MST ON MAY 31	37.0 ON JUN 16	0.859B ON OCT 30	178 000	1984
1985	84.8 AT 03:56 MST ON SEP 13 *	71.9 ON SEP 13	0.888B ON MAR 12	253 000	1985
1986	---	---	---	---	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		329 000	MEAN

HIGHWOOD RIVER BELOW LITTLE BOW CANAL - STATION NO. 05BL004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	36.6	8.83	3.81	6.92	10.7	6.60	3.60	---	1986
1987	2.46	2.58	2.80	7.69	23.3	9.37	10.5	9.41	4.34	2.84	2.29	1.16	6.60	1987
1988	0.772	0.753	1.58	3.36	13.7	18.9	3.35	3.81	2.06	2.65	1.92	1.43	4.52	1988
1989	1.06	0.973	1.11	4.58	18.0	24.7	6.09	3.03	5.40	3.27	3.09	1.94	6.11	1989
1990	1.80	1.35	2.19	7.16	58.6	65.9	20.8	11.1	4.41	4.06	2.95	2.46	15.3	1990
MEAN	1.52	1.41	1.92	5.70	28.4	31.1	9.91	6.23	4.63	4.70	3.37	2.12	8.13	MEAN

LOCATION - LAT 50 35 08 N LONG 113 52 07 W DRAINAGE AREA, 1 980 km^2 REGULATED

HIGHWOOD RIVER BELOW LITTLE BOW CANAL - STATION NO. 05BL004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	117 AT 09:28 MST ON MAY 29	107 ON MAY 29	---	---	1986
1987	37.5 AT 12:41 MST ON MAY 13	35.8 ON MAY 13	0.255B ON DEC 17 *	208 000	1987
1988	51.3 AT 14:30 MST ON JUN 08	43.4 ON JUN 09	0.450B ON JAN 11	143 000	1988
1989	42.1 AT 11:25 MST ON JUN 07	39.5 ON JUN 07	0.510B ON DEC 12	193 000	1989
1990	288 AT 12:45 MST ON MAY 26 *	265 ON MAY 26 *	0.819B ON NOV 27	482 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		257 000	MEAN

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	1.84	2.52	---	---	---	1965
1966	---	---	---	1.15	9.10	10.0	4.44	2.04	1.10	0.934	---	---	4.59	1966
1967	---	---	---	---	6.96	22.2	8.64	2.38	1.21	0.774	---	---	6.97	1967
1968	---	---	0.418	0.503	5.70	10.9	5.14	2.24	1.65	1.39	---	---	4.48	1968
1969	---	---	---	---	9.35	12.4	7.96	1.52	1.00	0.832	---	---	5.50	1969
1970	---	---	---	---	4.25	12.0	3.00	1.14	0.794	0.630	---	---	3.61	1970
1971	---	---	---	0.533	9.79	15.0	5.09	1.81	1.06	0.874	---	---	5.58	1971
1972	---	---	---	---	8.54	20.2	6.39	3.03	1.45	1.16	---	---	6.75	1972
1973	---	---	---	0.414	5.87	13.7	4.70	1.66	1.40	0.836	---	---	4.66	1973
1974	---	---	---	---	4.61	22.3	7.90	3.41	1.85	1.30	---	---	6.85	1974
1975	---	---	---	---	3.37	14.7	8.12	2.23	1.19	0.923	---	---	5.06	1975
1976	---	---	---	---	10.4	8.34	5.29	4.18	2.39	0.974	---	---	5.26	1976
1977	---	---	---	---	3.50	4.74	1.64	2.68	1.83	1.28	---	---	2.60	1977
1978	---	---	---	---	5.16	14.5	5.85	2.15	1.77	1.54	---	---	5.14	1978
1979	---	---	---	---	6.13	9.79	3.40	1.83	1.04	0.693	---	---	3.79	1979
1980	---	---	---	---	11.5	11.7	2.75	2.25	1.48	1.40	---	---	5.16	1980
1981	---	---	---	---	9.53	11.9	6.89	2.83	1.16	0.798	---	---	5.36	1981
1982	---	---	---	---	4.20	12.2	3.76	1.41	1.26	1.17	---	---	3.96	1982
1983	---	---	---	---	5.60	8.14	4.45	1.54	0.885	0.800	---	---	3.73	1983
1984	---	---	---	---	2.50	7.82	3.78	1.51	0.971	0.818	---	---	2.88	1984
1985	---	---	---	---	5.93	6.97	2.56	1.97	3.00	1.62	---	---	3.66	1985
MEAN	---	---	0.418	0.650	6.64	12.4	5.09	2.19	1.44	1.11	---	---	4.78	MEAN

LOCATION - LAT 50 29 55 N LONG 114 49 02 W DRAINAGE AREA, 132 km^2 NATURAL FLOW

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	26.2 AT 23:00 MST ON MAY 30	21.8 ON MAY 31	0.685 ON OCT 22	73 000	1966
1967	41.6 AT 17:00 MST ON MAY 30	34.3 ON MAY 30	0.651 ON OCT 24	111 000	1967
1968	18.6 AT 22:50 MST ON JUN 02	16.0 ON JUN 03	0.920 ON OCT 31	71 300	1968
1969	22.2 AT 20:40 MST ON JUN 04	19.3 ON JUL 01	0.671 ON OCT 25	87 500	1969
1970	27.5 AT 02:09 MST ON JUN 14	22.2 ON JUN 14	0.323 ON MAY 02 *	57 300	1970
1971	33.7 AT 04:30 MST ON JUN 06	30.9 ON JUN 06	0.716B ON OCT 31	88 800	1971
1972	44.5 AT 22:30 MST ON JUN 10	37.9 ON MAY 31	0.654 ON MAY 01	107 000	1972
1973	28.3 AT 03:30 MST ON JUN 07	25.6 ON JUN 07	0.552 ON MAY 01	74 100	1973
1974	52.7 AT 05:30 MST ON JUN 16 *	43.9 ON JUN 16 *	0.804A ON OCT 31	109 000	1974
1975	30.6A AT 00:00 MST ON JUN 20	27.4 A ON JUN 20	0.515 ON MAY 02	80 400	1975
1976	20.3 AT 20:00 MST ON MAY 10	17.4 ON MAY 10	0.583 ON OCT 30	83 600	1976
1977	10.3 AT 23:30 MST ON JUN 07	9.54 ON JUN 08	0.872A ON OCT 31	41 400	1977
1978	29.2 AT 21:30 MST ON JUN 05	22.7 ON JUN 06	1.03 A ON OCT 31	81 700	1978
1979	25.6 AT 23:00 MST ON MAY 26	19.6 ON MAY 27	0.490E ON OCT 31	60 300	1979
1980	23.8 AT 23:30 MST ON MAY 25	21.4 ON MAY 26	1.04 ON OCT 23	82 000	1980
1981	36.8 AT 01:00 MST ON MAY 26	32.6 ON MAY 26	0.549B ON OCT 21	85 200	1981
1982	20.9 AT 22:10 MST ON JUN 14	18.5 ON JUN 16	0.819B ON OCT 31	63 000	1982
1983	---	24.0 E ON MAY 28	0.701B ON OCT 24	59 300	1983
1984	15.7 AT 19:23 MST ON MAY 30	11.5 ON JUN 14	0.375B ON OCT 31	45 800	1984
1985	16.5 ON MAY 25	13.7 A ON MAY 25	0.973 ON MAY 01	58 200	1985
MEAN				76 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0.070	0.029	---	---	---	1935
1936	---	---	0	0	0.015	0.035	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0	0.015	0.035	---	---	0.070	0.029	---	---	---	MEAN

LOCATION - LAT 50 32 23 N
LONG 113 58 08 W
REGULATED

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	0 ON SEP 12 *	---	1935
1936	---	---	0 ON MAR 01	---	1936
			* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	MEAN

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	47.9	46.5	21.2	---	7.66	---	---	---	1912
1913	---	---	---	---	20.4	48.3	22.4	21.3	10.1	9.11	---	---	---	1913
1914	---	---	---	7.42	25.1	36.8	18.2	5.29	4.22	8.55	---	---	---	1914
1915	---	---	---	7.26	59.5	95.7	68.1	28.3	13.1	12.0	---	---	---	1915
1916	---	---	7.29	12.8	35.2	148	67.1	36.1	24.7	16.6	10.3	4.85	43.2	1916
1917	5.19	2.23	2.00	9.23	63.3	117	29.6	10.3	6.75	5.22	4.91	2.30	30.2	1917
1918	2.00	0.861	1.86	7.37	18.8	39.4	16.0	12.2	8.32	6.36	4.19	3.04	13.7	1918
1919	1.89	1.56	1.97	6.14	31.0	23.2	8.95	12.6	4.68	3.81	1.98	2.23	11.5	1919
1920	1.73	1.90	2.41	14.1	44.5	57.7	48.0	11.2	4.91	3.54	2.43	1.72	23.2	1920
1921	1.52	1.33	2.15	7.10	29.2	39.8	14.5	6.89	4.16	3.94	2.71	2.44	13.4	1921
1922	1.68	1.42	1.46	5.79	30.8	40.9	16.2	6.35	3.65	2.90	2.10	1.11	13.5	1922
1923	0.901	0.931	2.70	5.81	21.0	140	30.3	13.2	6.66	5.02	3.33	2.85	27.8	1923
1924	1.92	2.17	2.17	11.0	25.4	51.2	22.1	22.0	7.48	5.01	2.90	2.19	18.2	1924
1925	1.83	2.45	5.90	24.1	37.8	47.9	15.4	8.06	7.32	11.9	7.13	4.19	19.7	1925
1926	2.80	5.61	4.11	13.3	12.4	31.9	19.7	6.69	36.3	23.9	11.9	5.55	10.4	1926
1927	3.49	5.23	4.18	9.63	41.8	95.6	39.1	36.2	49.6	38.3	9.90	3.81	39.2	1927
1928	7.93	5.62	17.6	15.4	42.6	74.7	46.2	13.1	9.88	8.92	5.73	3.84	20.5	1928
1929	2.51	2.00	5.16	9.16	42.6	102	15.3	5.61	4.61	4.37	2.36	1.70	23.5	1929
1930	1.57	7.53	4.09	20.4	36.5	55.8	22.7	7.42	5.49	4.18	2.90	1.81	19.5	1930
1931	1.85	2.17	3.78	4.54	14.7	22.7	8.92	---	---	---	---	---	---	1931
1933	---	---	---	---	38.0	50.3	18.3	7.17	---	---	---	---	---	1933
1934	---	---	---	---	33.9	31.5	12.9	4.00	3.49	3.64	4.25	---	---	1934
1935	---	---	---	7.01	19.8	35.4	18.1	7.56	4.15	3.71	---	---	---	1935
1936	---	---	1.60	7.34	16.5	25.4	5.75	2.43	1.09	0.682	---	---	7.80	1936
1937	---	---	0.216	2.64	13.0	38.0	12.2	6.14	4.29	---	---	---	---	1937
1938	---	---	---	6.13	56.0	60.7	26.9	5.08	3.65	3.36	---	---	---	1938
1939	---	---	2.52	5.56	17.2	61.8	24.0	6.90	5.12	5.81	---	---	16.0	1939
1940	---	---	2.13	11.3	38.9	27.6	9.59	5.37	17.5	11.8	---	---	15.5	1940
1941	---	---	---	3.50	8.93	21.7	5.93	6.75	13.8	12.8	---	---	---	1941
1942	---	---	2.30	9.31	89.9	91.0	46.5	26.3	24.9	12.5	---	---	37.8	1942
1943	---	---	---	24.4	27.8	39.6	26.6	7.37	4.34	3.49	---	---	---	1943
1944	---	---	2.11	4.76	9.25	13.8	8.03	5.18	3.72	2.81	---	---	6.19	1944
1945	---	---	1.89	2.93	35.7	83.4	38.2	10.2	8.67	9.33	---	---	23.7	1945
1946	---	---	5.33	9.96	36.4	61.4	24.7	10.5	15.0	9.49	---	---	21.5	1946
1947	---	---	13.3	21.5	56.7	57.3	20.8	10.8	13.6	14.2	---	---	26.0	1947
1948	---	---	1.62	22.3	77.8	72.1	24.7	14.9	5.42	4.57	---	---	27.9	1948
1949	---	---	2.08	8.78	25.9	27.0	9.30	3.45	2.72	3.27	---	---	10.3	1949
1950	---	---	2.39	7.53	36.7	55.4	21.8	8.10	3.38	2.83	---	---	17.2	1950
1951	---	---	---	10.6	66.8	88.6	73.5	27.2	47.7	35.6	---	---	---	1951
1952	---	---	9.99	38.6	39.1	52.0	29.8	13.5	7.19	4.93	---	---	24.3	1952
1953	---	---	5.00	14.3	51.5	140	38.4	11.5	5.70	4.54	---	---	33.6	1953
1954	---	---	4.35	11.3	50.5	65.3	36.7	15.2	12.4	13.1	---	---	20.0	1954
1955	---	---	3.69	11.4	36.8	54.5	38.9	8.84	5.26	6.10	---	---	20.6	1955
1956	---	---	4.00	13.2	49.6	45.1	35.6	10.3	5.62	4.58	---	---	21.0	1956
1957	---	---	3.66	11.2	41.6	29.9	10.0	5.30	4.66	4.36	3.74	2.30	13.8	1957
1958	1.70	1.65	2.27	20.5	47.3	32.0	35.9	11.9	6.53	4.43	3.27	2.66	20.1	1958
1959	1.99	1.81	8.61	7.79	33.4	52.9	19.8	6.95	7.87	6.56	5.63	3.85	17.9	1959
1960	2.59	2.88	9.46	9.53	32.0	42.2	15.2	7.39	3.25	2.41	2.57	3.35	15.1	1960
1961	1.57	2.05	4.19	3.02	40.6	47.0	11.1	8.52	5.89	13.8	8.80	2.87	16.7	1961
1962	2.54	4.21	5.86	14.9	25.3	34.7	12.1	4.87	4.32	3.42	2.43	2.38	13.1	1962
1963	1.24	2.49	2.64	3.80	17.9	55.0	53.2	6.37	3.79	2.56	2.60	2.96	18.1	1963
1964	1.69	1.72	1.51	3.78	32.1	71.6	19.5	6.22	5.32	4.86	3.25	1.16	18.0	1964
1965	2.12	3.69	4.71	12.4	19.3	62.9	37.4	11.4	10.4	11.4	6.96	3.10	21.1	1965
1966	2.86	2.88	4.57	6.80	33.8	50.7	20.9	9.68	5.04	4.42	4.29	3.03	16.9	1966
1967	2.69	2.20	4.66	4.07	51.9	112	27.7	7.81	3.97	3.30	2.61	1.32	26.7	1967
1968	1.65	1.66	2.72	3.54	18.2	40.7	18.3	10.1	8.64	9.86	4.98	3.30	14.0	1968
1969	2.35	2.42	9.69	25.2	44.9	71.6	62.8	8.91	4.70	4.02	3.18	2.83	28.9	1969
1970	1.42	1.70	2.53	5.76	28.9	59.5	16.2	4.91	3.68	3.31	2.45	1.46	15.5	1970
1971	1.28	4.50	2.61	15.3	39.5	58.1	15.2	5.46	3.98	3.71	3.37	1.65	17.9	1971
1972	1.71	1.73	8.64	10.3	52.6	75.9	23.1	12.3	7.32	6.22	4.47	2.00	24.5	1972
1973	2.31	2.12	5.37	6.30	30.2	48.6	15.2	6.12	6.41	4.21	3.06	2.51	15.2	1973
1974	1.62	1.95	5.14	15.5	49.9	88.1	24.5	10.6	8.04	6.15	3.49	2.35	25.8	1974
1975	1.81	1.45	1.96	8.70	32.2	69.1	34.8	10.7	5.53	4.52	2.58	2.14	20.9	1975
1976	2.31	2.23	4.18	9.17	34.0	22.1	13.3	30.6	9.04	5.21	3.14	2.89	16.0	1976
1977	2.06	2.91	2.82	4.88	11.6	11.9	4.91	7.11	6.92	5.01	2.53	2.09	6.87	1977
1978	1.87	1.54	6.00	8.44	32.3	54.6	26.5	10.3	7.88	5.82	3.05	2.01	18.9	1978
1979	1.39	1.99	7.34	9.36	31.8	28.2	9.91	5.62	4.07	2.84	1.76	1.66	12.4	1979
1980	0.839	1.20	1.75	13.7	31.5	46.2	9.73	9.18	7.10	6.54	4.35	4.51	15.6	1980
1981	3.41	2.84	3.76	4.36	63.8	59.3	28.0	11.5	4.47	3.36	2.52	1.48	22.1	1981
1982	1.19	1.35	1.77	5.52	11.7	39.7	14.2	3.23	3.33	3.99	---	---	10.5	1982
1983	---	---	2.70	7.41	21.4	22.1	11.4	3.91	4.66	2.60	---	---	9.32	1983
1984	---	---	1.77	3.54	8.09	25.0	7.78	2.30	2.25	2.00	---	---	6.55	1984
1985	---	---	2.27	7.95	16.4	19.0	3.41	4.27	16.2	10.4	---	---	9.92	1985
1986	---	---	5.15	6.91	34.4	38.1	8.98	3.77	6.97	10.8	---	---	14.3	1986
1987	---	---	3.13	7.75	22.8	10.2	10.8	10.2	5.02	2.84	---	---	9.49	1987
1988	---	---	1.64	3.56	13.9	19.0	3.73	3.67	2.28	2.85	---	---	6.30	1988
1989	---	---	1.24	5.01	18.3	26.5	6.88	3.24	6.06	3.42	---	---	8.80	1989
1990	---	---	2.29	7.48	54.3	63.5	20.7	11.1	4.94	4.29	---	---	21.0	1990
MEAN	2.18	2.38	4.06	9.98	34.4	53.9	23.5	10.3	8.39	7.07	4.15	2.64	18.9	MEAN

LOCATION - LAT 50 41 58 N DRAINAGE AREA 2 340 km²
LONG 113 51 23 W REGULATED SINCE 1910

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	303 ON JUN 16	---	---	1912
1913	---	76.7 ON JUN 28	---	---	1913
1914	---	60.6 ON JUN 04	---	---	1914
1915	396 ON JUN 26	328 ON JUN 26	---	---	1915
1916	---	289 ON JUN 29	3.40 E ON MAR 01	914 000	1916
1917	---	204 ON JUN 03	1.50 B ON MAR 01	640 000	1917
1918	---	88.6 ON JUN 11	0.566B ON MAR 07	291 000	1918
1919	---	72.2 ON MAY 28	1.19 B ON MAR 14	244 000	1919
1920	---	93.7 ON MAY 09	0.991B ON MAR 19	492 000	1920
1921	---	62.6 ON JUN 08	0.623B ON MAR 14	284 000	1921
1922	---	66.8 ON JUN 05	1.22 B ON MAR 04	285 000	1922
1923	643 AT 19:30 MST ON JUN 01	501 ON JUN 01 *	1.14 B ON MAR 05	589 000	1923
1924	---	102 ON JUN 15	2.01 B ON MAR 03	386 000	1924
1925	---	100 ON MAY 22	1.14 B ON MAR 01	417 000	1925
1926	---	85.2 ON JUN 20	3.51 B ON APR 02	390 000	1926
1927	---	181 ON JUN 11	3.20 B ON MAR 01	829 000	1927
1928	---	178 ON JUN 18	6.65 ON OCT 06	603 000	1928
1929	561 AT 17:00 MST ON JUN 03	490 ON JUN 03	2.58 B ON MAR 01	497 000	1929
1930	---	89.5 ON JUN 08	2.52 B ON MAR 24	412 000	1930
1931	34.8 AT 18:00 MST ON JUN 18	34.5 ON JUN 18	1.10 B ON MAR 12	---	1931
1933	---	88.1 ON JUN 16	---	---	1933
1934	---	67.4 ON JUN 08	---	---	1934
1935	46.4 AT 18:00 MST ON JUN 18	45.0 ON JUN 18	---	---	1935
1936	---	46.4 ON JUN 02	0.283B ON MAR 01	165 000	1936
1937	107 ON JUN	101 ON JUN 14	0.113B ON MAR 25 *	---	1937
1938	140 AT 08:00 MST ON MAY 25	139 ON MAY 25	---	---	1938
1939	135 AT 12:00 MST ON JUN 17	132 ON JUN 17	0.566B ON MAR 01	339 000	1939
1940	---	78.4 ON MAY 27	1.70 B ON MAR 01	328 000	1940
1941	---	56.4 ON JUN 03	---	---	1941
1942	708 AT 02:00 MST ON MAY 12 *	447 ON MAY 12	1.70 B ON MAR 01	800 000	1942
1943	---	52.1 ON MAY 31	---	---	1943
1944	---	17.0 ON MAY 27	1.08 B ON MAR 01	131 000	1944
1945	135 AT 08:45 MST ON JUN 28	133 ON JUN 28	1.10 B ON APR 14	502 000	1945
1946	---	129 ON JUN 08	3.37 B ON MAR 09	455 000	1946
1947	---	126 ON MAY 11	2.27 B ON MAR 01	550 000	1947
1948	289 AT 20:15 MST ON MAY 23	250 ON MAY 24	0.566B ON MAR 01	590 000	1948
1949	---	52.4 ON MAY 22	1.42 B ON MAR 14	218 000	1949
1950	---	90.3 ON JUN 16	1.50 B ON MAR 14	364 000	1950
1951	---	172 ON AUG 31	---	---	1951
1952	---	124 ON JUN 13	2.80 B ON MAR 14	514 000	1952
1953	510 AT 16:00 MST ON JUN 09	413 ON JUN 09	2.66 B ON MAR 01	712 000	1953
1954	---	114 ON MAY 20	1.42 B ON APR 02	551 000	1954
1955	---	106 ON MAY 19	2.01 B ON MAR 01	437 000	1955
1956	---	116 ON MAY 21	1.33 B ON MAR 18	445 000	1956
1957	---	58.6 ON MAY 15	1.73 B ON MAR 01	292 000	1957
1958	74.5B AT 12:30 MST ON APR 14	73.1 ON JUL 07	1.08 B ON MAR 14	425 000	1958
1959	73.9 AT 13:00 MST ON JUN 28	70.5 ON JUN 28	1.27 B ON MAR 01	379 000	1959
1960	---	72.5 ON MAY 13	1.42 B ON MAR 14	320 000	1960
1961	---	136 ON MAY 28	1.39 B ON MAR 07	354 000	1961
1962	48.7 AT 22:00 MST ON JUN 18	47.0 ON JUN 18	1.85 B ON MAR 13	278 000	1962
1963	447 AT 13:00 MST ON JUN 30	379 ON JUN 30	1.31 B ON MAR 16	384 000	1963
1964	158 AT 03:00 MST ON JUN 18	139 ON JUN 18	0.803B ON MAR 08	381 000	1964
1965	204 AT 16:00 MST ON JUN 18	180 ON JUN 18	2.19 B ON MAR 25	447 000	1965
1966	112 AT 11:00 MST ON JUN 05	106 ON JUN 05	2.41 B ON MAR 03	359 000	1966
1967	345 AT 15:00 MST ON MAY 31	320 ON MAY 31	1.93 B ON MAR 14	565 000	1967
1968	68.8 AT 18:00 MST ON JUN 09	67.7 ON JUN 11	2.35 B ON MAR 01	296 000	1968
1969	277 AT 23:00 MST ON JUN 29	238 ON JUN 29	2.12 B ON MAR 01	612 000	1969
1970	223 AT 08:39 MST ON JUN 14	193 ON JUN 14	2.04 B ON MAR 01	328 000	1970
1971	152 AT 02:00 MST ON JUN 07	142 ON JUN 07	1.56 B ON MAR 26	379 000	1971
1972	158 AT 11:00 MST ON JUN 01	150 ON JUN 01	1.67 B ON MAR 01	518 000	1972
1973	79.9 AT 17:00 MST ON MAY 26	71.6 ON MAY 26	3.54 B ON MAR 01	323 000	1973
1974	162 AT 15:00 MST ON JUN 17	153 ON JUN 17	2.15 B ON MAR 09	547 000	1974
1975	239 AT 16:30 MST ON JUN 20	191 ON JUN 20	1.42 B ON MAR 28	442 000	1975
1976	173 AT 11:30 MST ON AUG 06	150 ON AUG 06	1.50 B ON MAR 01	338 000	1976
1977	18.9 AT 07:00 MST ON MAY 12	18.3 ON JUN 09	2.05 B ON MAR 17	145 000	1977
1978	106 AT 13:30 MST ON JUN 06	96.6 ON JUN 06	1.10 B ON MAR 02	401 000	1978
1979	86.2 AT 14:00 MST ON MAY 27	76.5 ON MAY 27	2.03 B ON MAR 01	262 000	1979
1980	92.9 AT 08:30 MST ON MAY 27	88.5 ON MAY 27	1.20 B ON MAR 05	331 000	1980
1981	202 AT 13:15 MST ON MAY 26	177 ON MAY 26	2.50 B ON MAR 21	472 000	1981
1982	56.2 AT 13:24 MST ON JUN 16	52.9 ON JUN 16	1.40 B ON MAR 01	223 000	1982
1983	51.4 AT 14:22 MST ON MAY 30	47.9 ON MAY 30	2.00 B ON MAR 01	197 000	1983
1984	35.7 AT 16:51 MST ON JUN 15	34.0 ON JUN 16	0.287B ON OCT 31	139 000	1984
1985	83.7 AT 08:57 MST ON SEP 13	67.7 ON SEP 13	0.600B ON MAR 10	210 000	1985
1986	117 AT 12:24 MST ON MAY 29	109 ON MAY 29	2.57 ON AUG 28	304 000	1986
1987	43.1 AT 16:07 MST ON MAY 13	40.7 ON MAY 13	1.78 B ON MAR 02	201 000	1987
1988	53.4 AT 19:30 MST ON JUN 08	47.2 ON JUN 09	0.941B ON MAR 01	133 000	1988
1989	45.5 AT 15:28 MST ON JUN 07	42.6 ON JUN 07	1.00 B ON MAR 16	186 000	1989
1990	267 AT 19:51 MST ON MAY 26	232 ON MAY 26	1.44 B ON MAR 01	445 000	1990
				400 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	50.8	101	28.5	7.79	4.98	4.56	3.69	2.56	---	1970
1971	2.04	5.36	3.88	30.7	63.6	92.0	22.1	8.25	5.96	4.89	3.42	2.78	22.4	1971
1972	6.40	4.33	18.7	31.6	79.2	104	33.9	18.4	11.0	8.87	5.44	4.19	34.4	1972
1973	3.44	3.44	7.30	31.9	51.0	74.8	21.0	9.80	11.5	6.47	4.16	3.48	22.8	1973
1974	2.37	2.91	6.90	30.7	90.2	130	35.2	17.4	14.5	9.80	5.20	3.36	29.1	1974
1975	2.56	2.34	3.12	19.3	50.1	102	53.3	16.7	8.56	7.09	4.04	3.67	22.8	1975
1976	3.62	3.48	3.20	14.1	51.8	35.5	20.0	45.5	13.4	7.74	4.07	3.22	17.4	1976
1977	3.35	3.41	4.67	9.42	49.0	71.4	7.13	13.0	10.7	8.57	3.42	2.49	18.38	1977
1978	2.20	2.04	4.67	16.8	45.8	65.4	42.7	16.1	12.5	8.76	5.86	3.97	22.0	1978
1979	2.37	2.15	15.75	18.2	51.8	41.5	14.5	9.07	5.58	3.82	2.12	1.90	13.4	1979
1980	1.11	1.83	2.49	23.8	49.2	80.7	16.5	14.9	12.5	10.7	6.10	6.81	18.9	1980
1981	5.00	4.71	6.71	6.84	111	91.4	44.0	21.5	7.63	5.71	4.02	2.20	25.9	1981
1982	1.43	1.66	4.42	10.9	46.7	74.8	26.0	6.49	6.07	7.34	3.60	2.85	12.8	1982
1983	2.95	2.92	3.94	15.4	40.1	56.0	12.4	5.83	3.95	3.93	3.43	2.13	11.6	1983
1984	2.00	1.96	2.80	6.62	13.5	39.9	12.4	4.34	4.23	4.22	2.35	2.03	8.00	1984
1985	1.59	1.27	3.57	12.5	27.4	28.4	6.49	10.7	31.8	16.8	8.64	5.10	12.9	1985
1986	3.64	11.4	8.65	10.1	53.3	56.4	17.0	8.57	15.4	24.3	13.5	4.94	18.9	1986
1987	3.96	3.73	4.64	14.1	34.0	14.1	20.0	18.6	8.43	5.37	4.53	3.77	14.5	1987
1988	1.26	1.33	2.61	5.14	20.2	29.4	6.49	10.8	5.42	5.55	4.28	3.32	7.93	1988
1989	1.86	1.74	2.19	9.36	29.9	41.8	11.5	7.44	12.1	6.55	4.46	3.30	10.9	1989
1990	2.64	1.95	3.90	11.3	86.4	101	30.8	20.8	8.72	6.47	4.50	3.59	23.6	1990
MEAN	2.52	3.04	5.61	15.0	49.9	65.1	23.4	13.9	10.2	7.98	4.79	3.22	17.0	MEAN

LOCATION - LAT 50 47 00 N LONG 113 49 13 W DRAINAGE AREA, 3 990 km²
REGULATED SINCE 1910

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	430 AT 11:30 MST ON JUN 14	331 ON JUN 14	---	---	1970
1971	278 AT 17:45 MST ON JUN 06	238 ON JUN 07	1.42 B ON JAN 13	645 000	1971
1972	219 AT 10:30 MST ON JUN 01	205 ON JUN 01	1.93 B ON DEC 04	915 000	1972
1973	141 AT 04:10 MST ON MAY 27	124 ON MAY 27	2.63 B ON FEB 07	558 000	1973
1974	232 AT 12:20 MST ON JUN 17	215 ON JUN 17	1.81 B ON JAN 01	918 000	1974
1975	357 AT 15:30 MST ON JUN 20	292 ON JUN 20	1.90 B ON FEB 05	719 000	1975
1976	213 AT 11:00 MST ON AUG 06	178 ON AUG 06	1.68 B ON DEC 07	549 000	1976
1977	31.4 AT 06:30 MST ON MAY 22	29.7 ON MAY 22	1.51 B ON NOV 24	264 000	1977
1978	163 AT 15:40 MST ON JUN 06	134 ON JUN 06	1.80 B ON FEB 15	693 000	1978
1979	126 AT 13:00 MST ON MAY 27	115 ON MAY 27	1.60 B ON DEC 02	424 000	1979
1980	178 AT 10:30 MST ON JUN 04	161 ON JUN 04	0.620B ON JAN 10	596 000	1980
1981	307 AT 14:00 MST ON MAY 26	265 ON MAY 26	1.72 B ON DEC 31	818 000	1981
1982	88.4 AT 15:14 MST ON JUN 15	84.0 ON JUN 15	0.850B ON JAN 07	405 000	1982
1983	108 AT 15:53 MST ON APR 25	76.1 ON APR 25	1.28 B ON NOV 26	366 000	1983
1984	54.9 AT 16:58 MST ON MAY 31	51.5 ON JUN 16	0.300B ON OCT 31 *	253 000	1984
1985	174 AT 10:03 MST ON SEP 13	149 ON SEP 13	0.890B ON MAR 09	406 000	1985
1986	162 AT 17:06 MST ON MAY 29	153 ON MAY 29	2.00 B ON FEB 16	596 000	1986
1987	57.6 AT 08:04 MST ON JUL 20	54.6 ON JUL 20	1.14 B ON DEC 15	352 000	1987
1988	85.8 AT 23:22 MST ON JUN 08	75.3 ON JUN 09	0.797B ON JAN 12	251 000	1988
1989	69.0 AT 16:58 MST ON JUN 07	65.6 ON JUN 07	1.40 B ON FEB 02	345 000	1989
1990	447 AT 16:30 MST ON MAY 26 *	383 ON MAY 26 *	1.38 B ON JAN 31	745 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		536 000	MEAN

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	0.268	---	---	---	1974
1975	---	---	0.003	0.481	1.16	0.426	0.375	0.013	0.002	0.002	---	---	0.308	1975
1976	---	---	0	2.52	1.00	2.11	1.70	2.66	0.522	0.172	---	---	1.33	1976
1977	---	---	0.007	1.83	4.16	6.90	0.273	0.044	0.039	0.308	---	---	1.68	1977
1978	---	---	0.028	0.994	4.48	0.416	0.022	0.005	0.106	0.086	---	---	0.771	1978
1979	---	---	0	0.434	5.83	3.06	1.82	0.398	0.056	0.017	---	---	1.45	1979
1980	---	---	0.001	0.165	0.140	0.207	0.040	0.005	0.064	0.079	---	---	0.087	1980
1981	---	---	0.002	1.20	2.22	0.810	0.312	0.033	0.002	0.002	---	---	0.571	1981
1982	---	---	0	0.622	3.80	0.047	0.001	0.156	0.007	0.015	---	---	0.586	1982
1983	---	---	0	0.322	0.465	2.57	2.02	0.672	0.015	0.034	---	---	0.760	1983
1984	---	---	0.025	0.300	5.34	1.61	2.48	0.012	0.054	0.080	---	---	1.24	1984
1985	---	---	0.001	0.685	1.08	0.126	0.128	0.051	0.424	0.711	---	---	0.400	1985
1986	---	---	0	1.03	4.66	0.327	0.039	0.024	0.001	0.006	---	---	0.765	1986
1987	---	---	0	1.09	0.381	0.422	0.099	1.09	0.169	0.038	---	---	0.410	1987
1988	---	---	0	0.272	3.13	3.13	6.48	0.550	0.154	0.038	---	---	1.73	1988
1989	---	---	0.007	0.501	2.86	0.854	0.038	0.019	0.069	0.129	---	---	0.561	1989
1990	---	---	0.054	2.62	2.20	5.04	1.13	0.004	0.001	0.001	---	---	1.37	1990
MEAN	---	---	0.008	0.942	2.68	1.75	1.06	0.359	0.105	0.117	---	---	0.876	MEAN

LOCATION - LAT 56 20 03 N LONG 118 15 46 W DRAINAGE AREA, 374 km²
NATURAL FLOW

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	2.21 ON JUN 30	0 ON AUG 18 *	6 530	1975
1976	10.8 AT 22:00 MST ON JUN 27	9.97 ON JUN 28	0 B ON MAR 01	28 200	1976
1977	24.1 AT 16:00 MST ON JUN 04	23.8 ON JUN 04	0.005B ON MAR 20	35 600	1977
1978	13.9 AT 18:00 MST ON MAY 24	11.9 ON MAY 25	0.001 ON AUG 14	16 300	1978
1979	12.7 AT 09:30 MST ON MAY 31	12.2 ON MAY 31	0 B ON MAR 01	30 800	1979
1980	0.756 AT 12:00 MST ON JUN 19	0.750 ON JUN 19	0 B ON MAR 01	1 840	1980
1981	7.16 AT 08:00 MST ON MAY 02	6.94 ON MAY 02	0 B ON MAR 01	12 100	1981
1982	10.0 E AT 19:00 MST ON MAY 03	9.26 ON MAY 06	0 B ON MAR 01	12 400	1982
1983	10.6 AT 10:00 MST ON JUL 28	10.0 ON JUL 28	0 B ON MAR 01	16 100	1983
1984	44.8 AT 09:00 MST ON MAY 21 *	34.8 ON MAY 22 *	0 B ON MAR 01	26 400	1984
1985	2.80 AT 09:30 MST ON MAY 06	2.76 ON MAY 06	0 B ON MAR 03	8 480	1985
1986	10.3 AT 00:00 MST ON MAY 06	9.58 ON MAY 06	0 B ON MAR 01	16 200	1986
1987	3.09 AT 03:30 MST ON APR 16	2.87 ON APR 16	0 B ON MAR 01	8 690	1987
1988	21.5 AT 12:30 MST ON JUL 13	20.4 ON JUL 13	0 B ON MAR 01	36 500	1988
1989	5.82 AT 02:00 MST ON MAY 28	5.78 ON MAY 28	0 ON JUL 26	11 900	1989
1990	30.3 AT 21:00 MST ON JUN 14	27.8 ON JUN 14	0 B ON MAR 01	28 900	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 600	MEAN

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	0.524	0.025	0	0	---	---	---	1971
1972	---	---	0.209	8.53	11.6	0.624	1.07	1.19	0.025	0.126	---	---	2.92	1972
1973	---	---	0.008	20.3	10.0	4.30	1.71	0.877	1.09	1.64	---	---	4.96	1973
1974	---	---	0.011	43.8	29.6	3.84	0.427	0.317	0.146	1.07	---	---	9.82	1974
1975	---	---	0.004	1.88	1.11	0.376	1.25	0.021	0.028	0.018	---	---	0.583	1975
1976	---	---	0.074	7.58	1.87	1.91	4.52	3.31	1.06	0.533	---	---	2.60	1976
1977	---	---	0.121	6.64	6.79	12.8	0.926	0.136	0.038	0.481	---	---	3.45	1977
1978	---	---	0.152	3.87	6.49	2.38	0.042	0.005	0.026	0.064	---	---	1.62	1978
1979	---	---	0	5.06	11.6	5.74	6.61	0.697	0.097	0.019	---	---	3.73	1979
1980	---	---	0.002	0.397	0.104	1.08	0.140	0.001	0.016	0.029	---	---	0.218	1980
1981	---	---	0.589	6.99	5.05	0.806	0.145	0	0	0	---	---	1.69	1981
1982	---	---	0	3.94	7.00	0.264	0.003	0.207	0	0.014	---	---	1.43	1982
1983	---	---	0	2.09	0.688	2.09	3.21	2.42	0.015	0.020	---	---	1.35	1983
1984	---	---	0.344	1.15	10.2	3.97	3.54	0.153	0.033	0.052	---	---	2.44	1984
1985	---	---	0.787	6.86	1.94	0.170	0.158	0	0.117	0.903	---	---	1.35	1985
1986	---	---	1.25	4.91	8.01	0.689	0.030	0	0	0	---	---	1.98	1986
1987	---	---	0	5.61	0.579	2.21	0.575	1.13	0.302	0.045	---	---	1.29	1987
1988	---	---	0.190	1.19	2.99	7.06	18.7	0.953	0.090	0.033	---	---	1.92	1988
1989	---	---	0	7.08	4.16	2.01	0.133	0.029	0.014	0.316	---	---	1.70	1989
1990	---	---	2.53	9.94	4.14	6.38	1.65	0.050	0	0.006	---	---	3.06	1990
MEAN	---	---	0.330	7.78	6.56	3.11	2.27	0.576	0.155	0.268	---	---	2.64	MEAN

LOCATION - LAT 56 04 05 N LONG 118 39 35 W DRAINAGE AREA, 1 240 km^2 NATURAL FLOW

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	0 ON MAR 01 *	---	1971
1972	39.4 AT 19:00 MST ON APR 19	33.7 ON APR 29	0 B ON MAR 01	61 800	1972
1973	---	43.9 ON APR 12	0 B ON MAR 01	105 000	1973
1974	---	119 A ON APR 22 *	0 B ON MAR 01	208 000	1974
1975	---	5.41B ON APR 17	0.001 ON AUG 23	12 300	1975
1976	21.5 AT 01:00 MST ON APR 18	17.6 ON APR 18	0.065B ON MAR 01	55 000	1976
1977	23.6 AT 02:00 MST ON JUN 12	23.2 ON JUN 12	0.034E ON SEP 09	73 100	1977
1978	11.0 AT 15:30 MST ON MAY 31	10.8 ON MAY 29	0.001 ON AUG 28	34 400	1978
1979	67.7 B AT 04:00 MST ON APR 29 *	59.2 B ON APR 29	0 B ON MAR 01	78 900	1979
1980	6.43 AT 07:00 MST ON JUN 19	6.16 ON JUN 19	0 B ON MAR 03	4 620	1980
1981	19.6 AT 21:00 MST ON APR 23	19.4 ON APR 24	0 B ON MAR 01	35 700	1981
1982	20.9 AT 21:00 MST ON APR 27	15.9 ON APR 27	0 B ON MAR 01	30 300	1982
1983	9.09B AT 13:30 MST ON APR 17	8.25B ON APR 17	0 B ON MAR 01	28 600	1983
1984	52.3 AT 14:00 MST ON MAY 24	52.2 ON MAY 24	0 B ON MAR 01	51 700	1984
1985	---	19.1 B ON APR 11	0 ON JUL 05	28 700	1985
1986	17.9 AT 01:00 MST ON MAY 13	17.1 ON MAY 13	0 B ON MAR 08	41 500	1986
1987	22.8 ON APR 11	17.0 ON APR 11	0 B ON MAR 01	27 300	1987
1988	42.9 AT 14:00 MST ON JUL 15	42.2 ON JUL 15	0.015 ON OCT 11	82 900	1988
1989	---	20.9 B ON APR 20	0 B ON MAR 01	36 000	1989
1990	---	30.6 B ON APR 01	0 B ON MAR 01	64 700	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 800	MEAN

HINTON STUDY BASIN NO.1 - STATION NO. 07AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.036	---	---	---	---	---	1974
MEAN	---	---	---	---	---	---	---	0.036	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 53 N LONG 117 33 48 W
DRAINAGE AREA, 16.8 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.1 - STATION NO. 07AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.578A AT 01:30 MST ON MAY 12 *	0.572A ON MAY 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

HINTON STUDY BASIN NO.14 - STATION NO. 07AC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.149	0.124	0.086	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.149	0.124	0.086	---	---	---	---	---	MEAN

LOCATION - LAT 53 42 15 N LONG 118 16 47 W
DRAINAGE AREA, 12.2 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.14 - STATION NO. 07AC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.623 AT 00:20 MST ON JUL 12 *	0.428 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.15 - STATION NO. 07AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.292	0.150	0.151	0.107	---	---	---	---	---	1974
MEAN	---	---	---	---	0.292	0.150	0.151	0.107	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 19 N LONG 117 18 04 W
DRAINAGE AREA, 19.7 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.15 - STATION NO. 07AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.674 AT 03:20 MST ON JUL 12 *	0.473 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.16 - STATION NO. 07AF012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.145	0.036	0.042	---	---	---	---	---	---	1974
MEAN	---	---	---	---	0.145	0.036	0.042	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 32 N LONG 117 17 04 W
DRAINAGE AREA, 8.05 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.16 - STATION NO. 07AF012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
				---	MEAN

HINTON STUDY BASIN NO.2 - STATION NO. 07AD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.107	0.116	0.101	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.107	0.116	0.101	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 03 N, LONG 117 33 48 W
DRAINAGE AREA, 14.5 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.2 - STATION NO. 07AD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	0.855A AT 09:20 MST ON MAY 08 *	0.841A ON MAY 08 *	---	---	1974
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HINTON STUDY BASIN NO.5 - STATION NO. 07AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.706	0.188	0.299	0.168	---	---	---	---	---	1974
MEAN	---	---	---	---	0.706	0.188	0.299	0.168	---	---	---	---	---	MEAN

LOCATION - LAT 53 37 18 N, LONG 117 31 25 W
DRAINAGE AREA, 19.7 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.5 - STATION NO. 07AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	1.59 AT 22:40 MST ON MAY 07 *	1.28 ON MAY 07 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.6 - STATION NO. 07AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.865	0.358	0.297	0.065	---	---	---	---	---	1974
MEAN	---	---	---	---	0.865	0.358	0.297	0.065	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 55 N, LONG 116 43 20 W
DRAINAGE AREA, 23.8 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.6 - STATION NO. 07AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	2.73 AT 08:20 MST ON JUL 12 *	2.06 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.7 - STATION NO. 07AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.23	0.355	0.427	0.166	---	---	---	---	---	1974
MEAN	---	---	---	---	1.23	0.355	0.427	0.166	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 22 N, LONG 116 45 44 W
DRAINAGE AREA, 22 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.7 - STATION NO. 07AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	2.74 AT 07:30 MST ON JUL 12 *	2.22 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.8 - STATION NO. 07AG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.15	0.267	0.313	0.125	---	---	---	---	---	1974
MEAN	---	---	---	---	1.15	0.267	0.313	0.125	---	---	---	---	---	MEAN

LOCATION - LAT 53 48 43 N, LONG 116 44 52 W
DRAINAGE AREA, 23.1 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.8 - STATION NO. 07AG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	3.37 AT 06:20 MST ON JUL 12 *	2.38 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.9 - STATION NO. 07AG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	1974
MEAN	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	MEAN

LOCATION - LAT 53 50 00 N, LONG 116 40 54 W
DRAINAGE AREA, 7.54 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.9 - STATION NO. 07AG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.974 AT 09:20 MST ON JUL 12 *	0.759 ON APR 29 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.116	0.014	0.002	0	0	0	0	---	---	0.019	1970
1971	---	---	0	0.023	0.003	0.096	0.054	0	0	0.001	---	---	0.025	1971
1972	---	---	0.008	0.124	0.027	0.021	0.006	0	0	0.001	---	---	0.025	1972
1973	---	---	0	0.089	0.033	0.049	0.003	0.001	0.003	0.008	---	---	0.026	1973
1974	---	---	0	0.269	0.088	0.002	0	0	0	0	---	---	0.051	1974
1975	---	---	---	0.043	0.012	0.009	0.017	0	0.001	0.001	---	---	0.012	1975
1976	---	---	---	---	0.009	0.119	0.022	0.161	0.016	0.004	---	---	---	1976
1977	---	---	---	---	0.096	0.020	0.025	0.008	0.006	---	---	---	---	1977
1978	---	---	---	---	0.062	---	0.004	0	0.013	0.008	---	---	---	1978
1979	---	---	---	---	0.115	0.170	0.025	0	0	---	---	---	---	1979
1980	---	---	---	0.024	0.014	0.038	0.007	0.003	0.010	---	---	---	---	1980
1981	---	---	---	0.075	0.020	0.004	0.001	0	0	0	---	---	0.014	1981
1982	---	---	---	---	0.018	0.001	0.017	0.024	0.002	0.001	---	---	---	1982
1983	---	---	0	0.009	0.008	0.080	---	0.009	0.001	0.001	---	---	---	1983
1984	---	---	---	0.014	0.117	0.028	0.003	0	0.008	0.008	---	---	0.026	1984
1985	---	---	---	0.095	0.016	0.002	0	0	0.002	0.013	---	---	0.018	1985
1986	---	---	---	0.074	0.041	0.003	0.005	0.001	0.001	0.005	---	---	0.018	1986
1987	---	---	---	0.011	0.005	0.005	0.002	---	0.004	0.001	---	---	---	1987
MEAN	---	---	0.002	0.074	0.039	0.038	0.011	0.012	0.004	0.003	---	---	0.023	MEAN

LOCATION - LAT 54 55 19 N, LONG 117 48 47 W
DRAINAGE AREA, 4.27 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

HORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.317 ON APR 22	0 ON JUN 19 *	343	1970
1971	0.767 AT 01:00 MST ON JUN 27	0.564 ON JUN 27	0 ON APR 01	463	1971
1972	0.348 AT 10:30 MST ON APR 20	0.272 ON APR 15	0 ON JUL 25	466	1972
1973	0.261 AT 15:00 MST ON APR 23	0.224 ON APR 24	0 ON JUL 20	485	1973
1974	---	0.818 ON APR 23	0 ON JUN 17	940	1974
1975	---	0.130B ON APR 17	0 B ON APR 01	218	1975
1976	---	1.01 E ON AUG 17 *	0.001 ON JUL 25	---	1976
1977	---	0.895 ON APR 09	0.001 ON JUN 26	---	1977
1978	---	0.490A ON APR 13	0 E ON JUL 27	---	1978
1979	0.976 AT 03:00 MST ON JUN 14 *	0.879 ON JUN 14	0 B ON APR 06	---	1979
1980	0.195 AT 23:41 MST ON JUN 26	0.122 ON JUN 06	0 B ON APR 01	---	1980
1981	0.198 AT 03:15 MST ON APR 25	0.160B ON APR 25	0 ON JUL 03	260	1981
1982	0.488 AT 04:12 MST ON AUG 03	0.172 ON AUG 03	0 ON JUN 17	---	1982
1983	---	---	---	---	1983
1984	0.735 AT 05:26 MST ON MAY 17	0.637 ON MAY 17	0 ON JUL 27	476	1984
1985	0.388 AT 10:49 MST ON APR 14	0.324 ON APR 13	0 ON JUL 04	338	1985
1986	0.290 AT 16:33 MST ON APR 22	0.245B ON APR 18	0 ON JUL 04	341	1986
1987	---	---	0 B ON APR 01	---	1987
				433	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	0.179	0.165	0.141	---	---	---	---	---	---	---	---	---	---	1931
1976	0.416	0.532	0.493	7.14	2.71	5.04	13.5	21.5	41.7	15.1	2.47	1.01	9.30	1976
1977	0.750	0.741	0.798	11.3	18.5	18.7	14.7	7.59	4.21	7.16	5.10	1.09	7.34	1977
1978	0.770	0.472	0.546	6.29	19.2	11.6	5.27	4.22	40.5	16.6	4.86	1.96	9.36	1978
1979	0.930	0.643	0.754	1.29	---	24.1	5.76	3.83	---	---	---	---	---	1979
MEAN	0.609	0.511	0.546	6.51	13.5	14.9	9.81	9.29	28.8	13.0	3.14	1.35	8.67	MEAN

LOCATION - LAT 56 42 29 N, LONG 111 23 40 W
DRAINAGE AREA, 2 130 km^2
NATURAL FLOW

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1976	97.1 AT 17:50 MST ON AUG 29 *	94.6 ON AUG 29 *	0.337B ON JAN 14 *	294 000	1976
1977	35.4 AT 18:25 MST ON JUN 03	34.5 ON JUN 03	0.736B ON JAN 14	232 000	1977
1978	59.7 AT 21:22 MST ON SEP 11	59.5 ON SEP 11	0.411B ON FEB 11	295 000	1978
1979	---	---	---	---	1979
				274 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.27	2.54	3.50	2.34	1.39	---	---	---	1982
1983	---	---	0.559	3.02	1.94	2.01	10.9	8.44	4.16	2.57	---	---	4.22	1983
1984	---	---	0.498	3.10	4.94	15.9	7.64	2.02	3.77	3.46	---	---	5.14	1984
1985	---	---	0.569	4.19	16.0	4.51	2.56	1.06	1.22	1.90	---	---	4.02	1985
1986	---	---	0.645	3.40	4.75	4.22	9.54	5.78	1.73	1.13	---	---	3.91	1986
1987	---	---	0.484	3.31	5.13	9.03	2.69	3.32	1.74	1.05	---	---	3.33	1987
1988	---	---	0.757	2.73	3.34	6.17	9.68	3.13	1.56	1.24	---	---	3.58	1988
1989	---	---	0.430	1.19	5.82	8.63	7.06	6.28	3.83	2.56	---	---	4.47	1989
1990	---	---	0.292	4.67	14.5	7.54	2.29	0.556	0.594	0.951	---	---	3.92	1990
MEAN	---	---	0.529	3.20	7.05	6.81	6.10	3.79	2.33	1.81	---	---	4.07	MEAN

LOCATION - LAT 55 38 30 N, LONG 112 09 25 W
DRAINAGE AREA, 764 km^2

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	29.0 AT 22:42 MST ON JUL 28	28.7 ON JUL 28	0.486B ON MAR 25	89 300	1983
1984	24.1 AT 15:55 MST ON JUN 03	23.6 ON JUN 04	0.451B ON MAR 01	109 000	1984
1985	32.3 AT 02:41 MST ON MAY 06 *	31.1 ON MAY 06 *	0.546 ON AUG 26	85 000	1985
1986	19.1 AT 11:39 MST ON JUL 20	19.0 ON JUL 20	0.634B ON MAR 01	82 700	1986
1987	12.5 AT 22:16 MST ON JUN 10	12.4 ON JUN 10	0.477B ON MAR 01	70 500	1987
1988	12.2 AT 20:38 MST ON JUL 18	12.1 ON JUL 18	0.620B ON MAR 28	75 700	1988
1989	11.5 AT 18:09 MST ON MAY 25	11.4 ON MAY 25	0.430B ON MAR 01	94 700	1989
1990	19.1 AT 14:45 MST ON MAY 11	19.0A ON MAY 11	0.167 ON AUG 14 *	83 100	1990
				86 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OB007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.004	---	---	---	1977
1978	---	---	0	0.046	0.416	0.365	0.059	0.040	0.194	0.210	---	---	0.166	1978
1979	---	---	0	0.015	1.45	0.923	0.108	0.039	0.026	0.012	---	---	0.322	1979
1980	---	---	0	0.040	0.006	0.001	0	0	0	0	---	---	0.006	1980
1981	---	---	0	0.030	0.159	0.012	0.016	0	0	0.003	---	---	0.028	1981
1982	---	---	0	0.006	0.041	0.004	0	0.004	0	0	---	---	0.007	1982
1983	---	---	0	0.080	0.385	0.148	0.024	0.003	0.001	0.001	---	---	0.080	1983
1984	---	---	0	0.017	0.037	0.119	0.770	0.014	0.099	0.084	---	---	0.143	1984
1985	---	---	0	0.097	0.760	0.087	0.019	0.058	0.117	0.135	---	---	0.160	1985
1986	---	---	0	0.115	0.433	0.570	0.441	0.139	0.043	0.042	---	---	0.223	1986
MEAN	---	---	0	0.050	0.410	0.248	0.160	0.033	0.053	0.049	---	---	0.126	MEAN

LOCATION - LAT 58 43 05 N LONG 117 14 27 W
DRAINAGE AREA, 103 km^2
NATURAL FLOW

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07OB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 16 *	---	1977
1978	0.906 AT 16:00 MST ON MAY 26	0.892 ON MAY 26	0B ON MAR 01	3 510	1978
1979	2.31 AT 01:00 MST ON MAY 29 *	2.28 ON MAY 29 *	0B ON MAR 01	6 810	1979
1980	0.203B AT 06:30 MST ON APR 16	0.150B ON APR 18	0B ON MAR 01	125	1980
1981	0.582 AT 10:30 MST ON MAY 05	0.466 ON MAY 03	0B ON MAR 01	585	1981
1982	0.489 AT 09:00 MST ON AUG 30	0.118 ON AUG 30	0B ON MAR 01	148	1982
1983	0.892 AT 19:30 MST ON APR 28	0.503 ON APR 28	0B ON MAR 01	1 700	1983
1984	1.55 AT 05:30 MST ON JUL 05	1.54 ON JUL 04	0B ON MAR 01	3 030	1984
1985	2.06 ON MAY 05	1.85 E ON MAY 05	0B ON MAR 01	3 390	1985
1986	1.58 AT 06:00 MST ON JUN 23	1.48 ON JUN 23	0B ON MAR 01	4 710	1986
				2 670	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07GG003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	0.974	8.19	3.70	---	---	---	1969
1970	---	---	0.438	20.6	27.6	9.84	4.29	1.92	0.797	0.700	---	---	8.25	1970
1971	---	---	0.392	30.2	17.0	40.4	63.2	6.11	1.96	4.01	---	---	20.3	1971
1972	---	---	1.52	26.3	45.0	31.6	25.0	13.8	3.76	3.68	---	---	18.8	1972
1973	---	---	0.628	25.8	38.9	29.8	9.77	10.0	4.75	8.86	---	---	16.0	1973
1974	---	---	1.22	61.4	72.3	8.27	5.18	0.854	1.17	1.23	---	---	18.9	1974
1975	---	---	0.474	7.24	16.5	15.6	17.9	4.41	4.41	2.17	---	---	8.58	1975
1976	---	---	0.696	41.0	12.7	24.7	20.9	30.3	17.3	6.03	---	---	19.1	1976
1977	---	---	1.37	34.0	60.6	39.6	31.3	9.21	8.14	8.99	---	---	24.1	1977
1978	---	---	1.19	9.70	19.6	46.6	11.8	7.20	29.3	10.7	---	---	16.9	1978
1979	---	---	1.25	11.2	51.3	47.2	48.5	5.32	1.50	0.785	---	---	20.9	1979
1980	---	---	0.396	10.7	12.9	38.3	25.3	9.98	12.4	5.78	---	---	14.4	1980
1981	---	---	1.11	13.3	18.3	21.7	4.76	2.07	0.346	0.473	---	---	7.71	1981
1982	---	---	0.362	1.26	36.0	6.23	18.5	34.1	7.31	2.90	---	---	13.4	1982
1983	---	---	0.432	3.14	4.71	34.4	63.7	15.0	4.72	2.62	---	---	16.1	1983
1984	---	---	1.12	9.81	46.3	19.9	3.65	1.35	9.66	6.37	---	---	12.3	1984
1985	---	---	1.84	22.3	20.7	14.5	5.94	1.42	17.2	17.2	---	---	12.6	1985
1986	---	---	2.61	35.7	34.4	9.69	24.2	5.01	3.35	14.1	---	---	16.1	1986
1987	---	---	0.818	7.70	7.72	4.83	1.31	7.26	7.13	2.12	---	---	4.84	1987
1988	---	---	1.11	7.15	2.15	25.0	19.7	1.65	0.335	1.38	---	---	7.64	1988
1989	---	---	0.103	4.29	44.5	18.8	49.3	41.0	8.41	3.20	---	---	21.3	1989
1990	---	---	1.55	12.4	13.0	24.5	11.0	1.38	1.72	2.83	---	---	8.51	1990
MEAN	---	---	0.982	18.8	28.8	24.4	22.1	9.56	6.98	5.00	---	---	14.6	MEAN

LOCATION - LAT 54 44 43 N LONG 117 09 04 W
DRAINAGE AREA, 1 950 km^2
NATURAL FLOW

IOSEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07GG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	62.6 AT 13:00 MST ON APR 24	62.0 ON APR 24	0.343B ON MAR 01	175 000	1970
1971	255 AT 14:30 MST ON JUL 05 *	239 ON JUL 05 *	0.362B ON MAR 08	430 000	1971
1972	191 AT 04:00 MST ON JUN 28	182 ON JUN 28	0.566B ON MAR 01	398 000	1972
1973	88.6 AT 22:00 MST ON APR 29	83.0 ON APR 29	0.459B ON MAR 15	339 000	1973
1974	182 AT 20:00 MST ON APR 27	180 ON APR 27	0.411E ON AUG 10	400 000	1974
1975	162 AT 21:00 MST ON JUN 29	125 ON JUN 29	0.425B ON MAR 09	182 000	1975
1976	161 AT 03:30 MST ON JUN 29	149 ON JUN 29	0.496B ON MAR 10	404 000	1976
1977	145 AT 21:30 MST ON MAY 30	138 ON MAY 30	1.13 B ON MAR 16	511 000	1977
1978	207 AT 00:30 MST ON JUN 17	187 ON JUN 16	0.484B ON MAR 01	357 000	1978
1979	141 AT 17:00 MST ON JUN 15	134 ON JUN 15	0.552 ON OCT 09	443 000	1979
1980	95.7 AT 03:30 MST ON JUN 06	92.4 ON JUN 06	0.186B ON MAR 08	305 000	1980
1981	83.6 AT 16:00 MST ON JUN 02	80.4 ON JUN 02	0.172 ON SEP 18	163 000	1981
1982	145 AT 03:30 MST ON AUG 05	137 ON AUG 05	0.334B ON MAR 01	204 000	1982
1983	163 AT 06:00 MST ON JUL 28	154 ON JUL 26	0.353B ON MAR 06	341 000	1983
1984	151 AT 10:00 MST ON MAY 18	143 ON MAY 18	0.547 ON AUG 08	260 000	1984
1985	75.2 AT 23:00 MST ON JUN 25	71.7 ON JUN 26	0.728 ON AUG 11	266 000	1985
1986	84.2 AT 12:00 MST ON JUL 19	79.4 ON JUL 19	0.760B ON MAR 12	340 000	1986
1987	21.0 AT 10:30 MST ON AUG 22	19.5 ON AUG 22	0.610B ON MAR 11	102 000	1987
1988	105 AT 23:30 MST ON JUN 12	97.6 ON JUN 13	0.193 ON SEP 14	162 000	1988
1989	196 AT 10:30 MST ON MAY 21	191 ON MAY 21	0 B ON MAR 27 *	452 000	1989
1990	79.2 AT 10:00 MST ON JUN 14	78.1 ON JUN 14	0.467 ON SEP 15	180 000	1990
				309 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	0.011	0.098	0.025	---	---	---	1964
1965	---	---	0.057	5.17	2.15	1.10	2.33	0.121	0.096	0.071	---	---	1.38	1965
1966	---	---	0.062	1.47	0.417	0.220	0.097	0.747	0.296	0.088	---	---	0.422	1966
1967	---	---	0.025	0.407	0.783	0.519	0.166	0.007	0	0	---	---	0.238	1967
1968	---	---	2.38	1.02	0.239	0.100	0.010	0.006	0.198	0.632	---	---	0.574	1968
1969	---	---	0	7.09	1.71	0.244	0.079	0.052	0.037	0.058	---	---	1.14	1969
1970	---	---	0	2.87	1.31	0.197	0.830	0.328	0.083	0.099	---	---	0.711	1970
1971	---	---	0.090	5.96	2.06	0.519	0.269	0.086	0.025	0.027	---	---	1.12	1971
1972	---	---	0.022	1.99	0.662	0.114	0.065	0.057	0.024	0.034	---	---	0.367	1972
1973	---	---	0.123	1.68	0.730	2.02	1.93	3.27	0.560	0.555	---	---	1.36	1973
1974	---	---	0.057	23.0	12.9	2.29	0.847	0.192	0.301	0.122	---	---	4.93	1974
1975	---	---	0.006	1.96	3.40	0.549	0.205	0.029	0.020	0.013	---	---	0.772	1975
1976	---	---	0.082	2.67	0.491	0.388	0.275	0.071	0.042	0.035	---	---	0.500	1976
1977	---	---	0.027	0.343	0.696	0.238	0.023	0.008	0.008	0.019	---	---	0.170	1977
1978	---	---	0.091	0.592	0.300	0.078	0.016	0.003	0.382	0.220	---	---	0.209	1978
1979	---	---	0.788	4.11	0.902	0.188	0.315	0.101	0.002	0.001	---	---	0.793	1979
1980	---	---	0.008	2.21	0.194	0.451	0.746	0.183	0.147	0.107	---	---	0.501	1980
1981	---	---	0.965	2.01	0.282	0.110	0.047	0.159	0.001	0.001	---	---	0.443	1981
1982	---	---	0	0.250	0.542	0.213	1.48	0.246	0.017	0.141	---	---	0.364	1982
1983	---	---	0.104	1.63	0.949	0.543	5.58	0.454	0.038	0.062	---	---	1.18	1983
1984	---	---	0.274	1.48	0.252	0.632	0.074	0.011	0.014	0.014	---	---	0.340	1984
1985	---	---	0.310	3.19	1.24	0.614	0.143	0.020	0.019	0.032	---	---	0.690	1985
1986	---	---	2.32	2.57	0.484	0.183	0.466	0.378	0.137	0.332	---	---	0.857	1986
1987	---	---	0.004	4.59	0.806	0.042	0.039	0.015	0	0.004	---	---	0.677	1987
1988	---	---	0.083	0.355	0.008	0.098	0.013	0.002	0	0.001	---	---	0.069	1988
1989	---	---	0.043	1.45	0.226	0.013	0.026	0.014	0.009	0.057	---	---	0.226	1989
1990	---	---	0.292	2.72	0.329	0.525	1.18	0.381	0.045	0.010	---	---	0.680	1990
MEAN	---	---	0.316	3.18	1.31	0.469	0.664	0.257	0.096	0.102	---	---	0.797	MEAN

LOCATION - LAT 52 42 28 N LONG 111 18 36 W
DRAINAGE AREA, 3 500 km^2
NATURAL FLOW

IRON CREEK NEAR HARDISTY - STATION NO. 05FB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 E ON AUG 01 *	---	1964
1965	---	16.7 ON APR 18	0.057B ON MAR 01	29 200	1965
1966	---	3.09B ON APR 06	0 B ON MAR 01	8 940	1966
1967	---	1.25B ON APR 25	0 B ON MAR 01	5 030	1967
1968	---	3.48B ON MAR 01	0 ON JUL 12	12 200	1968
1969	---	19.2 ON APR 14	0 B ON MAR 01	24 200	1969
1970	8.24B AT 14:19 MST ON APR 14	7.93 ON APR 16	0 B ON MAR 01	15 000	1970
1971	15.8 AT 05:00 MST ON APR 21	15.7 ON APR 21	0.017 ON SEP 07	23 600	1971
1972	---	4.02B ON APR 14	0 B ON MAR 01	7 760	1972
1973	6.91 AT 15:10 MST ON AUG 15	6.85 ON AUG 15	0.003B ON MAR 01	28 700	1973
1974	68.0 AT 02:30 MST ON APR 23 *	67.7 ON APR 23 *	0.028 ON OCT 11	104 000	1974
1975	---	8.38A ON APR 26	0.003 ON SEP 29	16 300	1975
1976	7.42 AT 05:30 MST ON APR 11	7.16 ON APR 11	0.028 ON OCT 26	10 600	1976
1977	2.31B AT 08:00 MST ON APR 11	1.38 ON MAY 18	0.004 ON SEP 03	3 600	1977
1978	1.62 AT 01:00 MST ON SEP 26	1.42 ON SEP 26	0.003E ON AUG 10	4 420	1978
1979	10.0 B AT 14:20 MST ON APR 19	9.66B ON APR 19	0.001 ON SEP 09	16 800	1979
1980	10.6 B AT 07:05 MST ON APR 17	8.73B ON APR 17	0.003B ON MAR 01	10 600	1980
1981	4.47 AT 11:40 MST ON APR 03	4.10B ON APR 01	0.001 ON SEP 09	9 390	1981
1982	3.78 AT 22:31 MST ON JUL 13	3.71 ON JUL 14	0 B ON MAR 01	7 700	1982
1983	10.1 AT 06:34 MST ON JUL 09	9.96 ON JUL 08	0.017 ON SEP 04	24 900	1983
1984	---	4.84B ON APR 03	0.003 ON SEP 19	7 190	1984
1985	---	6.50B ON APR 06	0 B ON MAR 01	14 600	1985
1986	---	10.1 ON MAR 31	0.015A ON SEP 10	18 100	1986
1987	12.1 AT 18:46 MST ON APR 10	11.1 B ON APR 10	0 ON SEP 01	14 300	1987
1988	4.60 AT 09:30 MST ON JUN 29	1.82 ON JUN 29	0 ON JUL 15	1 460	1988
1989	---	3.31B ON APR 12	0 B ON MAR 01	4 790	1989
1990	---	10.4 B ON APR 03	0.001 ON SEP 27	14 400	1990
				16 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRON CREEK NEAR VIKING - STATION NO. 05FB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0	0	0.006	0.566	0.021	---	---	---	1978
1979	---	---	0.210	1.11	0.048	0	0	0	0	0	---	---	0.168	1979
1980	---	---	0	0.266	0.019	0.012	0.006	0.003	0	0	---	---	0.038	1980
1981	---	---	0.217	0.100	0	0	0.003	0	0	0	---	---	0.040	1981
1982	---	---	0	0.060	---	---	0.575	0.017	0.004	0.001	---	---	---	1982
1983	---	---	0.026	0.176	0	0.458	0.913	0.009	0.001	0.001	---	---	0.198	1983
1984	---	---	0.083	0.033	0	0.064	0.038	0.006	0.001	0	---	---	0.028	1984
1985	---	---	0.181	0.458	0.035	0.064	0	0	0	0	---	---	0.091	1985
1986	---	---	0.794	0.169	0.018	0	0	0	0	0	---	---	0.123	1986
1987	---	---	0.003	0.566	0.008	0	0	0	0.001	0	---	---	0.071	1987
1988	---	---	0	0.011	0	0.008	0	0	0	0	---	---	0.002	1988
1989	---	---	0	0.082	0	0	0	0	0	0	---	---	0.010	1989
1990	---	---	0.233	0.173	0.001	0	0.094	0	0.001	0	---	---	0.063	1990
MEAN	---	---	0.146	0.267	0.012	0.051	0.125	0.003	0.044	0.002	---	---	0.076	MEAN

LOCATION - LAT 53 00 58 N LONG 111 54 07 W
DRAINAGE AREA, 121 km^2
NATURAL FLOW

IRON CREEK NEAR VIKING - STATION NO. 05FB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	2.93 AT 07:00 MST ON SEP 08	---	---	---	1978
1979	2.73 B AT 17:50 MST ON APR 11	2.26 ON APR 19	0B ON MAR 01 *	3 560	1979
1980	1.24 AT 02:30 MST ON APR 14	1.06 ON APR 14	0B ON MAR 01	795	1980
1981	---	0.772B ON MAR 18	0B ON MAR 01	849	1981
1982	2.91 AT 10:52 MST ON JUL 05	2.79 ON JUL 05	0B ON MAR 01	---	1982
1983	3.72 AT 00:20 MST ON JUL 03 *	3.49 ON JUL 03 *	0B ON MAR 01	4 190	1983
1984	1.12 AT 19:57 MST ON JUN 12	0.503B ON MAR 26	0B ON MAR 01	594	1984
1985	2.21 AT 17:13 MST ON APR 03	2.17 ON APR 03	0B ON MAR 01	1 930	1985
1986	2.76 AT 22:58 MST ON MAR 28	2.50 ON MAR 29	0 ON MAY 11	2 610	1986
1987	2.71 B AT 22:03 MST ON APR 04	2.24 B ON APR 06	0B ON MAR 01	1 500	1987
1988	0.088 AT 22:57 MST ON JUN 10	0.068 ON JUN 11	0B ON MAR 01	51.2	1988
1989	---	0.430B ON APR 05	0B ON MAR 01	216	1989
1990	1.09 AT 18:01 MST ON MAR 31	1.05 ON MAR 31	0B ON MAR 01	1 330	1990
				1 600	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	0.001	0.008	0.158	0.078	0	0	0	---	---	---	1916
1917	---	---	---	1.21	0.080	0	0	0	---	---	---	---	---	1917
1918	---	---	---	---	0.003	0	---	---	---	---	---	---	---	1918
1919	---	---	0.010	0.040	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0.675	0.235	0.059	0.001	---	---	---	---	---	---	---	1920
1921	---	---	0.237	0.397	0.012	0	0	---	---	---	---	---	---	1921
1922	---	---	0.161	1.60	0.027	0	0	---	---	---	---	---	---	1922
1923	---	---	0.043	0.075	0	0.319	0.029	0	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.229	0.191	---	---	0	---	---	---	---	---	---	1925
1926	---	---	0.273	0.021	0	0	0	0	0	0	---	---	0.037	1926
1927	---	---	0.273	0.610	0.282	0.061	0.107	0.111	0.001	0	---	---	0.180	1927
1928	---	---	1.38	0.070	0	0	0.006	0	0	0	---	---	0.184	1928
1929	---	---	0.001	0.021	0.098	0.001	---	---	---	---	---	---	---	1929
1930	---	0.026	0.023	0	0	0	---	---	---	---	---	---	---	1930
1931	---	0	0	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0	0.459	0.005	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.013	0.236	0.329	0.041	0.039	0.022	0.016	0	0	---	---	0.100	MEAN

LOCATION - LAT 49 25 20 N DRAINAGE AREA, 202 km²
LONG 110 50 20 W REGULATED

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	3.82 ON APR 02	0 ON MAY 29 *	---	1917
1918	---	---	0 ON JUN 06	---	1918
1919	---	0.680 ON APR 01	0B ON MAR 01	---	1919
1920	---	3.00 B ON MAR 22	0B ON MAR 01	---	1920
1921	---	1.70 B ON APR 01	0B ON MAR 11	---	1921
1922	---	7.93 B ON APR 02	0 ON MAR 01	---	1922
1923	---	4.02 ON JUN 22	0B ON MAR 01	---	1923
1924	---	0 ON MAR 01	0 ON MAR 01	0	1924
1925	---	2.46 ON JUN 10	0B ON MAR 01	---	1925
1926	---	2.89 ON MAR 01	0B ON APR 01	784	1926
1927	---	3.82 ON MAR 28	0 ON MAR 01	3 810	1927
1928	---	10.3 ON MAR 21 *	0B ON MAR 01	3 900	1928
1929	---	0.600 ON MAY 01	0B ON MAR 01	---	1929
1930	---	0.261B ON MAR 26	0 ON APR 06	---	1930
1931	---	---	0 ON MAR 01	---	1931
1936	---	2.61 ON APR 19	0B ON MAR 01	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 120	MEAN

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.095	1.25	2.08	0.277	0.130	0.220	0.038	0.111	---	---	0.526	1972
1973	---	---	0.164	1.01	1.38	1.18	0.813	0.664	0.678	1.20	---	---	0.886	1973
1974	---	---	0.251	4.74	9.80	2.23	0.400	0.073	0.046	0.034	---	---	2.19	1974
1975	---	---	0.087	1.20	3.20	2.29	2.92	1.06	0.396	0.086	---	---	1.41	1975
1976	---	---	0.184	0.860	0.201	0.227	1.49	0.721	0.151	0.062	---	---	0.488	1976
1977	---	---	0.018	0.398	0.433	0.168	0.346	0.304	0.294	0.213	---	---	0.271	1977
1978	---	---	0.235	1.06	1.73	1.48	0.481	0.122	0.106	0.054	---	---	0.656	1978
1979	---	---	0.066	0.650	1.18	0.727	0.524	0.194	0.140	0.079	---	---	0.444	1979
1980	---	---	0.094	0.673	0.265	0.023	0.009	0.201	0.182	0.214	---	---	0.206	1980
1981	---	---	0.272	0.789	0.423	0.117	0.083	0.086	0.005	0.005	---	---	0.222	1981
1982	---	---	0	0.546	0.238	0.039	0.306	0.283	0.141	0.005	---	---	0.194	1982
1983	---	---	0.146	0.416	0.376	0.086	0.354	0.195	0.065	0.058	---	---	0.212	1983
1984	---	---	0.247	0.482	0.186	1.05	0.239	0.005	0.002	0.012	---	---	0.275	1984
1985	---	---	0.199	0.932	0.661	0.039	0.008	0.012	0.036	0.001	---	---	0.235	1985
1986	---	---	0.105	0.610	0.570	0.270	0.111	0.006	0.036	0.026	---	---	0.216	1986
1987	---	---	0.049	1.46	0.628	0.134	0.017	0.009	0.001	0.001	---	---	0.265	1987
1988	---	---	0.100	0.146	0.093	0.001	0.011	0	0	0	---	---	0.044	1988
1989	---	---	0	0.371	0.694	0.022	0.008	0	0.005	0.056	---	---	0.145	1989
1990	---	---	0.215	1.10	1.12	0.067	0.014	0.002	0.003	0.001	---	---	0.314	1990
MEAN	---	---	0.133	0.984	1.33	0.549	0.435	0.219	0.122	0.117	---	---	0.485	MEAN

LOCATION - LAT 54 26 30 N DRAINAGE AREA, 489 km²
LONG 110 41 10 W NATURAL FLOW

JACKFISH CREEK NEAR LA COREY - STATION NO. 06AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	3.26 B ON APR 24	0.014E ON SEP 03	11 100	1972
1973	2.26 B AT 06:30 MST ON APR 14	1.85 ON MAY 11	0.085B ON MAR 01	18 800	1973
1974	13.2 AT 06:00 MST ON MAY 03 *	13.1 ON MAY 03 *	0.009 ON OCT 22	46 400	1974
1975	---	4.11 ON JUL 07	0.042B ON MAR 01	29 800	1975
1976	2.32 AT 23:00 MST ON JUL 21	2.31 ON JUL 21	0.014B ON OCT 27	10 300	1976
1977	---	0.779B ON APR 20	0 B ON MAR 01 *	5 740	1977
1978	2.80 B AT 09:00 MST ON APR 29	2.80 B ON APR 29	0.003 ON SEP 20	13 900	1978
1979	3.47 B AT 12:00 MST ON MAY 02	2.47 B ON APR 20	0.022B ON MAR 14	9 390	1979
1980	2.85 B AT 07:40 MST ON APR 22	1.65 B ON APR 22	0.001 ON MAY 27	4 370	1980
1981	1.60 B AT 09:50 MST ON APR 19	1.16 B ON APR 19	0.001E ON SEP 15	4 690	1981
1982	---	2.30 B ON APR 23	0 B ON MAR 01	4 110	1982
1983	---	0.800E ON JUL 30	0.006E ON JUN 11	4 490	1983
1984	---	1.50 ON JUN 09	0.001E ON JUL 28	5 830	1984
1985	1.96 AT 12:20 MST ON SEP 06	1.65 B ON APR 15	0.001 ON JUN 14	4 970	1985
1986	1.59 B AT 09:13 MST ON APR 10	1.20 B ON APR 16	0.002 ON SEP 25	4 570	1986
1987	3.21 B AT 07:26 MST ON APR 17	2.36 B ON APR 17	0.001 ON JUL 16	6 030	1987
1988	0.396B AT 14:35 MST ON MAR 15	0.309B ON APR 04	0 ON MAY 21	925	1988
1989	1.59 AT 19:09 MST ON MAY 03	1.43 ON MAY 03	0 B ON MAR 01	3 060	1989
1990	2.27 AT 13:10 MST ON APR 19	2.13 ON APR 22	0.001 ON JUN 15	6 650	1990
				10 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.71	1.94	1.63	1.03	0.525	---	---	---	1982
1983	---	---	0.720	1.09	0.539	1.65	5.90	4.86	2.37	1.75	---	---	2.37	1983
1984	---	---	1.08	1.23	5.45	11.2	4.75	1.66	0.824	1.76	---	---	3.49	1984
1985	---	---	1.18	3.06	26.3	8.16	3.52	1.31	0.942	0.950	---	---	5.69	1985
1986	---	---	1.10	1.82	2.59	2.16	10.8	11.3	2.72	1.55	---	---	4.29	1986
1987	---	---	1.37	4.13	5.39	4.78	2.06	1.12	0.697	0.365	---	---	2.48	1987
1988	---	---	0.298	1.14	1.53	1.49	5.60	3.88	1.69	0.943	---	---	2.08	1988
1989	---	---	0.240	1.20	3.06	6.82	5.82	2.44	2.66	3.75	---	---	3.24	1989
1990	---	---	1.31	3.39	14.1	7.35	3.55	1.03	0.645	0.663	---	---	4.00	1990
MEAN	---	---	0.912	2.13	7.37	5.26	4.88	3.25	1.51	1.36	---	---	3.46	MEAN

LOCATION - LAT 55 40 25 N LONG 111 06 00 W DRAINAGE AREA, 1 290 km^2 NATURAL FLOW

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	7.37 AT 16:13 MST ON JUL 31	7.32 ON AUG 01	0.268 ON MAY 09	50 200	1983
1984	17.4 AT 13:56 MST ON JUN 06	17.1 ON JUN 05	0.484 ON SEP 06	73 800	1984
1985	---	56.0 E ON MAY 08 *	0.800B ON APR 06	121 000	1985
1986	29.6 AT 21:18 MST ON JUL 25 *	29.2 ON JUL 25	0.342B ON MAR 20	90 800	1986
1987	7.43 AT 17:33 MST ON APR 29	7.28 ON APR 28	0.283B ON OCT 27	52 500	1987
1988	9.09 AT 16:53 MST ON JUL 21	8.94 ON JUL 21	0.279B ON MAR 01	44 000	1988
1989	9.11 AT 15:07 MST ON JUN 26	9.04 ON JUN 26	0.170B ON MAR 15 *	68 700	1989
1990	18.0 AT 12:05 MST ON MAY 14	17.8 ON MAY 14	0.555 ON OCT 01	84 700	1990
				73 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.217	0.389	0.766	---	---	---	1971
1972	---	---	0.001	0.701	18.4	2.09	4.01	0.717	0.148	0.343	---	---	3.34	1972
1973	---	---	0.009	2.36	4.47	11.1	15.0	12.7	3.06	1.93	---	---	6.34	1973
1974	---	---	0.031	12.0	10.8	3.07	5.10	1.65	0.959	0.856	---	---	4.28	1974
1975	---	---	0	2.70	4.37	4.14	2.87	5.45	10.6	1.99	---	---	4.02	1975
1976	---	---	0.012	8.60	2.65	4.63	8.47	3.62	1.37	2.13	---	---	3.92	1976
1977	---	---	0.001	2.38	4.72	7.15	2.57	0.237	0.196	0.633	---	---	2.72	1977
1978	---	---	0.002	1.91	5.83	3.42	0.820	0.188	4.17	5.80	---	---	2.76	1978
1979	---	---	0.002	1.46	15.5	10.6	2.26	1.53	2.52	1.15	---	---	4.38	1979
1980	---	---	0.001	1.45	0.331	1.16	1.08	1.26	0.901	0.553	---	---	0.838	1980
1981	---	---	0	1.60	4.58	0.578	0.109	0.011	0.001	0.247	---	---	0.893	1981
1982	---	---	0	0.465	3.19	0.249	0.021	0.097	0.152	0.045	---	---	0.530	1982
1983	---	---	0	2.65	2.70	0.605	0.332	0.613	0.376	0.189	---	---	0.929	1983
1984	---	---	0.004	0.696	3.87	4.39	6.97	0.305	2.01	1.13	---	---	2.42	1984
1985	---	---	0	5.04	7.11	0.660	0.034	0.013	0.225	0.684	---	---	1.72	1985
1986	---	---	0.003	1.58	3.27	9.55	3.56	1.10	0.239	0.374	---	---	2.44	1986
1987	---	---	0.008	7.34	5.65	2.94	0.927	9.08	1.19	1.86	---	---	3.62	1987
1988	---	---	0.017	7.10	6.51	4.94	9.26	1.26	0.774	0.731	---	---	3.82	1988
1989	---	---	0.004	3.34	15.8	6.07	1.32	0.287	0.301	0.328	---	---	3.43	1989
1990	---	---	0.006	4.77	6.67	3.33	0.183	0.009	0	0.010	---	---	1.86	1990
MEAN	---	---	0.005	3.59	6.66	4.25	3.42	2.02	1.48	1.09	---	---	2.83	MEAN

LOCATION - LAT 58 11 35 N DRAINAGE AREA, 582 km²
LONG 115 45 00 W NATURAL FLOW

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	34.8 AT 09:30 MST ON MAY 05	34.3 ON MAY 05	0 B ON MAR 12 *	70 600	1972
1973	42.0 AT 22:00 MST ON JUL 28	42.2 ON JUL 29	0 B ON MAR 01	134 000	1973
1974	36.2 AT 19:00 MST ON APR 23	36.0 ON APR 23	0.028B ON MAR 17	90 700	1974
1975	33.7 AT 03:00 MST ON SEP 03	33.4 ON SEP 03	0 B ON MAR 01	85 100	1975
1976	23.6 AT 01:00 MST ON JUL 02	22.4 ON JUL 02	0.010B ON MAR 01	83 100	1976
1977	13.6 AT 02:30 MST ON JUN 10	13.3 ON JUN 10	0 B ON MAR 18	47 100	1977
1978	10.1 AT 00:30 MST ON MAY 30	9.88 ON MAY 29	0 B ON MAR 19	58 500	1978
1979	28.5 B AT 13:30 MST ON MAY 02	26.5 B ON MAY 02	0 B ON APR 01	92 700	1979
1980	4.71 AT 04:30 MST ON JUL 30	4.57 ON JUL 30	0 B ON MAR 01	17 700	1980
1981	10.0 B AT 00:30 MST ON MAY 01	9.07 ON MAY 05	0 B ON MAR 01	18 900	1981
1982	6.27 AT 12:00 MST ON MAY 07	6.16 ON MAY 05	0 B ON MAR 01	11 200	1982
1983	9.17 AT 00:00 MST ON APR 25	8.98 ON APR 26	0 B ON MAR 01	19 700	1983
1984	17.4 AT 11:00 MST ON JUL 08	17.2 ON JUL 08	0 B ON MAR 11	51 300	1984
1985	16.2 AT 01:00 MST ON MAY 09	16.0 ON MAY 09	0 B ON MAR 01	36 400	1985
1986	47.9 AT 21:30 MST ON JUN 23	46.6 ON JUN 24 *	0 B ON MAR 01	51 700	1986
1987	48.3 AT 06:30 MST ON AUG 05 *	46.5 ON AUG 05	0.005B ON MAR 01	76 700	1987
1988	22.4 ON APR 19	21.7 E ON APR 19	0.006B ON MAR 27	80 800	1988
1989	26.0 AT 13:00 MST ON MAY 04	25.7 ON MAY 04	0.004B ON MAR 01	72 600	1989
1990	15.7 AT 06:00 MST ON APR 27	15.6 ON APR 27	0 ON AUG 31	39 400	1990
				59 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	2.26	3.57	7.49	6.28	13.2	10.2	3.62	2.96	---	---	6.22	1966
1967	---	---	1.37	1.97	17.0	18.6	4.57	2.06	1.20	1.24	---	---	5.99	1967
1968	---	---	1.20	2.02	4.85	6.19	5.22	6.09	3.01	4.55	---	---	4.14	1968
1969	---	---	1.31	5.69	9.34	12.9	30.2	4.91	2.47	2.24	1.48	1.03	8.65	1969
1970	0.577	0.724	0.804	2.87	9.12	18.6	---	---	---	1.90	1.06	0.796	---	1970
1971	0.835	1.04	0.808	7.06	5.61	10.8	3.86	1.53	1.27	1.27	0.709	0.462	4.00	1971
1972	0.517	0.435	1.06	3.30	6.47	22.1	14.8	5.41	4.15	3.03	---	---	7.50	1972
1973	---	---	1.42	6.25	21.7	16.1	5.57	2.44	2.53	3.00	---	---	7.36	1973
1974	---	---	1.21	6.90	18.7	11.2	3.93	2.04	2.03	3.22	---	---	6.15	1974
1975	---	---	0.660	3.21	4.77	3.48	3.07	2.56	---	1.59	---	---	---	1975
1976	---	---	---	3.19	3.11	4.08	2.70	7.28	2.94	1.46	---	---	---	1976
1977	---	---	---	2.17	11.5	6.06	2.35	3.49	4.40	3.21	---	---	---	1977
1978	---	---	1.38	5.43	9.80	14.3	6.85	6.07	6.55	2.88	---	---	6.64	1978
1979	---	---	1.69	3.29	7.04	5.34	2.70	2.28	1.55	1.34	---	---	3.15	1979
1980	---	---	0.840	4.56	3.85	12.2	6.74	3.80	3.28	2.15	---	---	4.65	1980
1981	---	---	1.02	1.56	18.9	10.5	24.6	15.4	4.02	3.07	---	---	9.95	1981
1982	---	---	0.711	2.62	6.59	8.09	15.6	5.08	3.36	3.14	---	---	5.67	1982
1983	---	---	1.35	6.56	8.40	5.91	11.6	2.45	1.60	1.41	---	---	4.91	1983
1984	---	---	1.09	2.20	2.39	8.60	1.63	1.08	1.94	2.20	---	---	2.62	1984
1985	---	---	0.787	2.93	5.92	4.17	1.70	3.53	11.9	4.57	---	---	4.40	1985
1986	---	---	1.76	2.60	13.9	8.25	27.3	8.46	8.74	11.8	---	---	10.4	1986
1987	---	---	1.22	2.39	2.35	1.87	7.90	7.32	4.35	2.18	---	---	3.71	1987
1988	---	---	1.24	3.06	1.74	2.31	3.24	5.45	3.39	2.31	---	---	2.84	1988
1989	---	---	0.762	4.68	8.30	5.99	3.97	7.43	7.28	2.82	---	---	5.14	1989
1990	---	---	1.27	5.66	19.6	32.9	8.35	4.29	2.31	1.85	---	---	9.48	1990
MEAN	0.643	0.733	1.18	3.83	9.14	10.3	8.82	5.03	3.82	2.86	1.08	0.763	5.88	MEAN

LOCATION - LAT 51 55 37 N DRAINAGE AREA, 821 km²
LONG 114 41 04 W NATURAL FLOW

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	51.5 AT 23:00 MST ON JUL 03	43.0 ON JUL 04	1.16 B ON MAR 01	132 000	1966
1967	76.2 AT 11:45 MST ON MAY 31	61.2 ON MAY 31	0.964B ON APR 11	127 000	1967
1968	15.3 AT 01:44 MST ON JUL 21	13.1 ON JUN 09	0.708B ON MAR 11	87 700	1968
1969	114 AT 03:37 MST ON JUL 05	103 ON JUL 04	1.02 B ON MAR 01	183 000	1969
1970	151 AT 18:10 MST ON JUN 16	115 ON JUN 16	0.765B ON MAR 01	---	1970
1971	40.8 AT 21:00 MST ON JUN 06	34.0 ON JUN 07	0.708 ON OCT 27	84 600	1971
1972	215 E ON JUN 25	194 E ON JUN 25 *	0.374B ON MAR 16	159 000	1972
1973	63.7 AT 16:00 MST ON MAY 27	62.3 ON MAY 27	1.05 B ON MAR 26	156 000	1973
1974	40.2 AT 03:00 MST ON APR 29	31.7 ON APR 29	0.748B ON APR 06	130 000	1974
1975	9.63 AT 03:30 MST ON MAY 09	9.15 ON MAY 09	0.510B ON MAR 01	---	1975
1976	19.4 AT 20:30 MST ON AUG 09	16.6 ON AUG 10	---	---	1976
1977	21.8 AT 06:30 MST ON MAY 16	19.6 ON MAY 16	---	---	1977
1978	26.0 AT 22:30 MST ON JUN 06	22.7 ON MAY 31	0.750B ON MAR 19	141 000	1978
1979	21.7 AT 02:00 MST ON JUN 21	18.6 ON JUN 21	0.481B ON MAR 22	66 700	1979
1980	33.3 AT 11:00 MST ON JUN 05	31.3 ON JUN 05	0.692B ON MAR 08	98 500	1980
1981	178 AT 20:20 MST ON JUL 30	109 ON JUL 30	0.660B ON APR 05	211 000	1981
1982	64.4 A ON JUL 05	48.2 ON JUL 05	0.538B ON MAR 05	120 000	1982
1983	69.9 AT 08:07 MST ON APR 25	46.0 ON APR 25	1.14 B ON MAR 01	104 000	1983
1984	46.5 AT 10:30 MST ON JUN 09	42.3 ON JUN 09	0.706 ON AUG 29	55 500	1984
1985	84.3 AT 08:19 MST ON SEP 13	68.7 ON SEP 13	0.290B ON MAR 05 *	93 100	1985
1986	170 AT 02:48 MST ON JUL 18	129 ON JUL 18	1.35 B ON MAR 08	220 000	1986
1987	18.0 AT 23:16 MST ON JUL 22	16.5 ON JUL 23	1.14 B ON MAR 14	78 500	1987
1988	17.0 AT 04:39 MST ON AUG 02	15.4 ON AUG 02	0.940B ON MAR 07	60 200	1988
1989	20.5 AT 07:52 MST ON AUG 17	18.0 ON AUG 17	0.705B ON MAR 01	109 000	1989
1990	237 AT 12:30 MST ON JUN 02 *	183 ON JUN 02	0.910B ON MAR 01	201 000	1990
				125 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05BA006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.29	1.34	0.959	---	---	---	1973
1974	---	---	---	---	1.18	---	6.36	3.13	1.38	0.753	---	---	---	1974
1975	---	---	---	---	1.41	5.05	5.10	2.45	1.40	0.757	---	---	2.69	1975
1976	---	---	---	---	4.29	6.87	7.34	5.12	3.52	1.21	---	---	4.72	1976
1977	---	---	---	---	2.77	6.04	3.12	2.58	1.70	0.842	---	---	2.83	1977
1978	---	---	---	---	1.79	7.60	5.57	2.14	1.86	1.29	---	---	3.36	1978
1979	---	---	---	---	1.73	5.85	4.07	1.69	1.09	0.738	---	---	2.52	1979
1980	---	---	---	---	6.58	6.19	2.71	1.64	1.53	0.821	---	---	3.24	1980
1981	---	---	---	---	5.63	5.48	6.90	3.11	1.47	0.955	---	---	3.93	1981
1982	---	---	---	---	3.72	9.11	4.43	1.90	1.71	0.967	---	---	3.28	1982
1983	---	---	---	---	3.19	5.51	4.10	1.83	1.05	0.714	---	---	2.73	1983
1984	---	---	---	---	1.12	8.31	4.25	1.87	1.85	1.12	---	---	3.06	1984
1985	---	---	---	---	3.75	4.84	2.73	1.88	2.16	1.11	---	---	2.74	1985
1986	---	---	---	---	5.33	12.3	5.30	2.58	1.38	1.28	---	---	4.66	1986
1987	---	---	---	---	3.96	5.40	2.96	2.01	1.20	0.809	---	---	2.72	1987
1988	---	---	---	---	3.58	7.46	4.32	2.38	1.23	1.05	---	---	3.42	1988
1989	---	---	---	---	2.25	8.50	3.95	4.41	2.51	1.03	---	---	3.76	1989
1990	---	---	---	---	3.74	12.2	7.60	2.06	1.07	0.823	---	---	4.56	1990
MEAN	---	---	---	---	3.18	7.29	4.75	2.50	1.64	0.957	---	---	3.38	MEAN

LOCATION - LAT 51 14 40 N LONG 115 50 30 W DRAINAGE AREA, 124 km² NATURAL FLOW

JOHNSTON CREEK NEAR THE MOUTH - STATION NO. 05BA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	10.5 AT 21:00 MST ON JUL 04	9.09 ON JUL 04	0.368E ON MAY 01	42 700	1975
1976	14.2 AT 23:30 MST ON JUN 30	12.2 ON JUL 01	0.745B ON OCT 23	75 000	1976
1977	16.1 AT 20:30 MST ON JUN 07	14.6 ON JUN 08	0.654 ON OCT 30	45 000	1977
1978	14.4 AT 21:30 MST ON JUN 05	11.1 ON JUN 06	0.773 ON MAY 08	53 400	1978
1979	10.6 AT 21:30 MST ON JUN 12	8.75 ON JUN 12	0.560E ON MAY 01	40 000	1979
1980	14.2 AT 21:10 MST ON JUN 16	9.67 ON MAY 21	0.401A ON OCT 31	51 500	1980
1981	35.6 AT 03:00 MST ON MAY 26	29.4 ON MAY 26 *	0.772A ON OCT 27	62 400	1981
1982	24.2 AT 21:15 MST ON JUN 14	15.9 ON JUN 14	0.257E ON MAY 13 *	52 200	1982
1983	25.7 AT 20:40 MST ON MAY 29	15.7 ON MAY 30	0.600 ON OCT 30	43 400	1983
1984	34.2 AT 17:50 MST ON JUN 29	26.6 ON JUN 29	0.350E ON MAY 03	48 700	1984
1985	15.5 AT 00:20 MST ON MAY 25	13.3 ON MAY 25	0.470E ON MAY 01	43 600	1985
1986	37.8 AT 20:54 MST ON JUN 01	28.9 ON MAY 29	0.355B ON MAY 02	74 100	1986
1987	16.2 AT 17:25 MST ON JUN 16	11.8 ON JUN 16	0.694 ON OCT 26	43 200	1987
1988	51.6 AT 23:07 MST ON JUN 07 *	24.6 ON JUN 08	0.736 ON MAY 05	52 900	1988
1989	17.7 AT 21:56 MST ON JUN 05	14.1 ON JUN 15	0.680B ON MAY 01	59 700	1989
1990	26.9 AT 19:51 MST ON JUN 01	21.1 ON JUN 01	0.591 ON MAY 02	72 400	1990
				53 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.22	1.45	0.733	0.294	0.093	---	1975
1976	0.045	0.020	0.012	4.56	0.654	---	---	0.360	0.255	0.529	0.144	0.009	---	1976
1977	0.012	0.024	0.021	0.549	0.460	0.289	0.766	0.251	0.234	0.381	0.081	0.024	0.369	1977
1978	0.012	0.004	0.002	2.33	3.16	0.739	0.164	0.179	3.02	1.01	0.331	0.053	1.32	1978
1979	0.015	0.006	0.007	1.04	6.45	0.909	0.125	0.200	0.443	0.283	0.187	0.045	1.19	1979
1980	0.037	0.039	0.037	0.619	0.249	0.167	0.342	0.714	0.493	0.290	0.134	0.004	0.363	1980
1981	0.004	0.003	0.003	0.676	1.90	0.425	0.355	0.047	0.002	0.134	---	---	0.443	1981
1982	---	---	0.002	0.608	2.53	0.222	0.057	0.112	0.077	0.135	---	---	0.470	1982
1983	---	---	0.051	2.70	0.818	0.631	0.554	0.207	0.085	0.144	---	---	0.643	1983
1984	---	---	0.020	1.19	0.445	3.42	0.890	0.596	0.507	0.499	---	---	0.937	1984
1985	---	---	0.028	1.44	7.19	0.396	0.061	0.072	0.243	0.296	---	---	1.22	1985
1986	---	---	0.010	8.00	6.04	0.790	0.626	0.368	0.100	0.204	---	---	2.01	1986
1987	---	---	0	1.93	0.847	1.45	1.27	0.522	0.197	0.267	---	---	0.806	1987
1988	---	---	0.012	2.08	2.71	1.02	1.19	0.244	0.330	0.288	---	---	1.48	1988
1989	---	---	0.009	0.960	3.49	0.723	0.818	0.657	0.678	0.456	---	---	0.976	1989
1990	---	---	0.018	1.94	5.03	0.906	0.333	0.101	0.013	0.094	---	---	1.06	1990
MEAN	0.021	0.016	0.015	2.04	2.80	1.01	0.682	0.366	0.508	0.359	0.195	0.038	0.949	MEAN

LOCATION - LAT 57 16 27 N LONG 111 44 30 W DRAINAGE AREA, 257 km² NATURAL FLOW

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	16.4 AT 01:10 MST ON APR 14	14.4 ON APR 14	0.003B ON MAR 03	---	1976
1977	2.29 AT 16:10 MST ON JUL 04	1.83 ON JUL 05	0.007B ON APR 03	7 810	1977
1978	---	11.9 E ON APR 29	0 B ON MAR 03 *	27 900	1978
1979	12.2 AT 15:15 MST ON MAY 10	11.6 ON MAY 11	0.001B ON MAR 01	25 100	1979
1980	2.74 AT 21:30 MST ON AUG 05	2.03 ON AUG 06	0.002 ON JUL 04	7 680	1980
1981	5.62 AT 03:35 MST ON MAY 01	5.16 ON MAY 01	0.002B ON MAR 01	9 380	1981
1982	9.32 AT 16:47 MST ON MAY 01	8.34B ON MAY 01	0.002B ON MAR 01	9 950	1982
1983	10.9 AT 18:15 MST ON APR 23	10.4 B ON APR 23	0.020 ON SEP 09	13 600	1983
1984	---	23.0 E ON JUN 03	0.001B ON MAR 01	19 800	1984
1985	---	40.0 E ON MAY 06 *	0.003 ON JUL 25	25 900	1985
1986	19.9 B AT 11:50 MST ON APR 25 *	17.9 B ON APR 25	0 B ON MAR 01	42 500	1986
1987	11.9 AT 13:50 MST ON JUL 04	9.89 ON JUL 04	0 B ON MAR 01	17 100	1987
1988	13.3 AT 11:34 MST ON MAY 01	12.7 ON MAY 01	0.009B ON MAR 04	31 300	1988
1989	14.2 AT 18:22 MST ON APR 30	13.0 ON MAY 02	0.007B ON APR 03	20 700	1989
1990	16.5 AT 17:51 MST ON MAY 08	14.8 ON MAY 08	0.009 ON SEP 04	22 300	1990
				20 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO. 05BH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	4.31	3.40	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	4.31	3.40	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 22 N LONG 114 36 59 W
DRAINAGE AREA, 240 km^2
NATURAL FLOW

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO. 05BH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	8.78 ON JUN 25 *	---	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.890	0.239	0.127	---	---	---	1976
1977	---	---	---	---	0.583	0.337	0.150	0.259	0.254	0.235	---	---	0.303	1977
1978	---	---	---	---	1.01	1.21	0.695	0.329	0.253	0.154	---	---	0.606	1978
1979	---	---	---	---	0.971	0.627	0.231	0.119	0.079	0.058	---	---	0.348	1979
1980	---	---	---	---	0.857	1.53	0.191	0.169	0.247	0.176	---	---	0.524	1980
1981	---	---	---	---	2.60	2.24	0.963	0.677	0.136	0.080	---	---	1.12	1981
1982	---	---	---	---	0.349	1.62	0.417	0.121	0.085	0.087	---	---	0.442	1982
1983	---	---	---	---	1.05	0.661	0.738	0.136	0.089	0.080	---	---	0.460	1983
1984	---	---	---	---	0.262	0.781	0.173	0.085	0.054	0.108	---	---	0.242	1984
1985	---	---	---	---	0.737	0.544	0.158	0.428	1.08	0.300	---	---	0.539	1985
1986	---	---	---	---	1.06	0.706	0.345	0.289	0.201	0.959	---	---	0.608	1986
1987	---	---	---	---	0.430	0.258	0.457	0.303	0.166	0.084	---	---	0.297	1987
1988	---	---	---	---	0.345	0.504	0.140	0.456	0.429	0.358	---	---	0.371	1988
1989	---	---	---	---	0.763	0.600	0.265	0.211	0.495	0.163	---	---	0.415	1989
1990	---	---	---	---	2.16	1.88	0.570	0.496	0.215	0.132	---	---	0.907	1990
MEAN	---	---	---	---	0.941	0.970	0.392	0.337	0.268	0.207	---	---	0.513	MEAN

LOCATION - LAT 51 00 09 N LONG 114 56 14 W
DRAINAGE AREA, 36 km^2
NATURAL FLOW

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.53 AT 02:30 MST ON MAY 24	1.40 ON MAY 24	0.091 ON AUG 01	4 820	1977
1978	4.35 AT 19:30 MST ON MAY 21	1.91 ON JUN 06	0.127 ON OCT 29	9 640	1978
1979	3.77 AT 18:00 MST ON MAY 24	3.03 ON MAY 24	0.032B ON OCT 29	5 530	1979
1980	7.28 AT 05:00 MST ON JUN 03	6.76 ON JUN 03	0.119 ON JUL 28	8 340	1980
1981	12.3 AT 18:00 MST ON MAY 21	9.78 ON JUN 01	0.052 ON OCT 23	17 800	1981
1982	3.86 AT 20:38 MST ON JUN 05	3.43 ON JUN 05	0.065B ON OCT 31	7 020	1982
1983	2.53 AT 23:38 MST ON JUL 03	2.30 ON JUL 04	0.073B ON OCT 26	7 320	1983
1984	2.15 AT 22:56 MST ON JUN 10	2.07 ON JUN 10	0.020B ON OCT 31 *	3 850	1984
1985	8.40 AT 22:48 MST ON SEP 12	6.28 ON SEP 13	0.079 ON AUG 07	8 570	1985
1986	3.14 AT 15:06 MST ON MAY 21	2.82 ON MAY 21	0.070 ON MAY 01	9 660	1986
1987	1.48 AT 20:52 MST ON JUL 19	1.35 ON JUL 20	0.072 ON OCT 31	4 730	1987
1988	1.10 AT 00:20 MST ON JUN 09	1.01 ON JUN 09	0.072 ON JUL 30	5 900	1988
1989	1.57 AT 18:40 MST ON MAY 09	1.42 ON MAY 10	0.113B ON OCT 28	6 590	1989
1990	13.4 AT 19:12 MST ON MAY 25 *	11.0 ON MAY 25 *	0.089B ON OCT 20	14 400	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 160	MEAN

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO. 05BH006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	11.8	2.88	1.40	0.813	---	---	---	---	1908
1909	---	---	---	---	6.31	5.34	3.44	1.75	0.699	0.566	---	---	---	1909
1910	---	---	---	---	0.634	1.15	0.186	0.252	1.81	0.466	---	---	---	1910
1911	---	---	---	---	3.60	6.13	5.82	10.1	5.20	---	---	---	---	1911
1912	---	---	---	---	4.98	5.99	20.0	6.30	4.10	2.96	---	---	---	1912
1913	---	---	---	---	4.07	6.27	3.36	3.78	1.47	0.746	---	---	---	1913
1914	---	---	---	---	1.62	1.99	1.14	0.523	0.330	0.737	---	---	---	1914
1915	---	---	---	0.787	9.68	29.5	27.4	6.81	3.90	3.66	---	---	---	1915
1916	---	---	---	---	10.6	43.7	8.43	13.7	21.9	4.20	---	---	---	1916
1917	---	---	---	---	16.0	25.8	2.10	1.50	1.56	1.04	---	---	---	1917
1918	---	---	---	---	2.88	3.91	1.27	1.01	0.836	0.664	---	---	---	1918
1919	---	---	---	---	1.80	1.02	0.480	3.28	0.668	0.560	---	---	---	1919
1933	---	---	---	---	---	2.76	1.41	1.23	---	---	---	---	---	1933
MEAN	---	---	---	0.787	5.65	11.2	5.99	3.97	3.61	1.56	---	---	---	MEAN

LOCATION - LAT 51 04 08 N DRAINAGE AREA, 455 km^2
LONG 114 32 47 W NATURAL FLOW

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO. 05BH006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	34.0 ON AUG 08 *	---	---	1912
1913	---	---	---	---	1913
1914	---	12.9 ON APR 06	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1933	---	---	---	---	1933
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	5.75	5.56	4.41	---	---	---	1965
1966	---	---	0.382	0.799	4.17	5.04	3.90	1.55	0.621	0.662	---	---	---	1966
1967	---	---	0.277	2.91	9.62	12.6	1.71	0.692	0.273	0.260	---	---	---	1967
1968	---	---	0.204	1.01	1.83	5.49	1.52	1.03	1.65	2.56	---	---	---	1968
1969	---	---	2.11	3.94	10.4	14.2	16.2	2.06	0.888	0.842	---	---	---	1969
1970	---	---	0.226	2.34	4.17	11.1	2.93	0.528	0.308	0.296	0.290	0.129	---	1970
1971	0.089	0.372	0.288	3.24	4.30	7.61	1.18	0.359	0.328	0.393	0.313	0.034	1.54	1971
1972	0.008	0.001	1.90	1.90	4.68	4.47	2.58	0.948	0.831	0.721	0.514	0.241	1.57	1972
1973	0.323	0.270	0.738	2.06	7.85	7.02	1.40	0.613	0.893	0.577	0.271	0.283	1.86	1973
1974	0.064	0.190	0.259	3.35	11.0	7.40	1.45	1.10	0.671	0.645	0.313	0.194	2.23	1974
1975	0.114	0.087	0.131	1.77	3.17	2.57	1.10	0.704	0.404	0.362	0.171	0.171	0.900	1975
1976	0.157	0.212	0.233	1.00	2.81	1.43	0.647	2.91	0.864	0.508	0.268	0.196	0.941	1976
1977	0.186	0.215	0.267	0.653	1.92	0.831	0.415	0.637	0.738	0.738	0.357	0.170	0.596	1977
1978	0.117	0.190	1.75	1.76	4.64	4.43	3.33	1.98	1.84	0.903	0.683	0.298	1.84	1978
1979	0.027	0.027	1.22	2.36	4.67	2.10	0.705	0.469	0.260	0.289	0.250	0.155	1.05	1979
1980	0.031	0.019	0.025	1.87	2.60	6.62	0.797	0.614	0.883	0.652	0.543	0.601	1.26	1980
1981	0.320	0.159	0.419	0.426	12.2	10.5	4.95	4.10	1.01	0.720	0.431	0.162	2.97	1981
1982	0.005	0	0.070	1.65	1.45	5.73	2.31	0.460	0.468	0.446	0.227	0.118	1.08	1982
1983	0.109	0.120	0.243	2.74	3.61	2.15	2.84	0.449	0.262	0.289	0.181	0.043	1.09	1983
1984	0.046	0.140	0.226	0.454	0.582	2.47	0.363	0.098	0.186	0.254	0.134	0.066	0.415	1984
1985	0.010	0.004	0.184	0.945	1.94	1.79	0.368	0.892	4.24	1.25	0.566	0.485	1.06	1985
1986	0.222	0.459	0.681	0.656	5.03	3.35	3.17	1.02	2.05	4.76	1.58	0.592	1.98	1986
1987	0.378	0.237	0.579	1.56	1.31	0.615	2.14	2.24	1.04	0.591	0.496	0.138	0.950	1987
1988	0.027	0.066	0.274	0.841	0.737	1.22	0.394	1.14	1.06	0.929	0.357	0.250	0.608	1988
1989	0.219	0.114	0.132	2.80	3.56	2.33	2.04	1.90	3.50	0.964	0.838	0.444	1.57	1989
1990	0.376	0.176	0.439	1.43	9.98	11.6	3.22	5.00	1.46	1.18	0.814	0.694	3.05	1990
MEAN	0.141	0.153	0.530	1.78	4.73	5.39	2.47	1.51	1.24	1.01	0.457	0.260	1.43	MEAN

LOCATION - LAT 51 09 16 N DRAINAGE AREA, 571 km²
LONG 114 31 42 W NATURAL FLOW

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	28.3 AT 18:00 MST ON JUL 03	21.2 ON JUL 03	---	---	1966
1967	115 AT 06:05 MST ON MAY 31	98.0 ON MAY 31	---	---	1967
1968	23.6 AT 01:06 MST ON JUN 09	20.2 ON JUN 09	---	---	1968
1969	138 AT 15:24 MST ON JUN 29 *	99.7 ON JUN 29 *	---	---	1969
1970	91.5 AT 12:50 MST ON JUN 14	71.9 ON JUN 14	---	---	1970
1971	40.2 AT 21:00 MST ON JUN 06	30.3 ON JUN 07	0 B ON DEC 20 *	48 500	1971
1972	14.6 AT 04:00 MST ON JUN 25	13.5 ON JUN 25	0 B ON JAN 01	49 700	1972
1973	32.8 AT 06:00 MST ON MAY 27	30.0 ON MAY 27	0.113B ON DEC 31	58 800	1973
1974	18.1 AT 11:30 MST ON MAY 27	17.5 ON MAY 27	0.007B ON JAN 17	70 300	1974
1975	8.47 AT 07:00 MST ON JUN 21	8.21 ON JUN 21	0.012B ON FEB 03	28 400	1975
1976	8.98 AT 01:30 MST ON AUG 10	8.07 ON AUG 10	0.057B ON JAN 05	29 800	1976
1977	4.45 AT 16:30 MST ON MAY 16	3.88 ON MAY 16	0.026B ON DEC 09	18 800	1977
1978	11.3 AT 07:40 MST ON MAY 17	10.4 ON JUL 19	0.031B ON DEC 29	57 900	1978
1979	7.42 AT 15:00 MST ON MAY 25	7.10 ON MAY 25	0 B ON JAN 16	33 100	1979
1980	24.7 AT 05:00 MST ON JUN 04	22.7 ON JUN 04	0 B ON JAN 10	40 000	1980
1981	43.5 AT 12:45 MST ON JUN 01	38.2 ON MAY 22	0.050B ON FEB 12	93 800	1981
1982	12.4 AT 21:02 MST ON JUN 28	9.77 ON JUN 29	0 B ON JAN 05	33 900	1982
1983	25.4 AT 10:43 MST ON APR 25	17.7 ON APR 25	0 B ON DEC 23	34 400	1983
1984	10.7 AT 10:50 MST ON JUN 09	9.30 ON JUN 09	0 B ON DEC 31	13 100	1984
1985	29.4 AT 12:51 MST ON SEP 13	25.0 ON SEP 13	0 B ON JAN 01	33 300	1985
1986	13.5 AT 00:24 MST ON JUL 18	12.0 ON MAY 22	0.110B ON FEB 20	62 400	1986
1987	11.1 AT 21:46 MST ON JUL 19	9.55 ON JUL 20	0.038B ON DEC 31	30 000	1987
1988	3.62 AT 22:59 MST ON JUN 09	3.20 ON JUN 10	0.021B ON FEB 01	19 200	1988
1989	15.0 AT 11:24 MST ON JUL 31	8.39 ON JUL 31	0.070B ON MAR 03	49 600	1989
1990	55.2 AT 22:40 MST ON JUN 02	44.8 ON MAY 26	0.040B ON FEB 16	96 200	1990
				45 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	15.1	11.2	---	---	---	1975
1976	---	---	---	---	---	---	87.4	99.7	50.9	21.6	---	---	---	1976
1977	---	---	---	---	126	122	99.6	52.9	48.4	47.8	---	---	---	1977
1978	---	---	---	---	66.9	102	98.0	26.4	43.5	28.2	---	---	---	1978
1979	---	---	---	---	89.6	155	79.1	22.8	13.3	11.7	---	---	---	1979
1980	---	---	---	---	74.0	196	46.5	25.9	36.9	25.8	---	---	---	1980
1981	---	---	---	---	100	67.1	44.8	42.6	11.2	8.05	---	---	---	1981
1982	---	---	---	---	92.6	150	215	89.9	46.3	25.5	---	---	---	1982
1983	---	---	3.09	14.7	62.2	93.2	128	31.3	16.5	12.9	---	---	---	1983
1984	---	---	5.07	15.2	43.0	117	53.9	20.1	47.8	53.9	---	---	45.3	1984
													44.3	
1985	---	---	4.02	12.8	82.7	100	49.6	24.4	55.3	32.1	---	---	45.0	1985
1986	---	---	5.21	11.3	98.6	145	108	21.8	17.1	27.5	---	---	54.3	1986
1987	---	---	4.19	21.3	99.5	97.2	44.4	99.5	18.1	10.3	---	---	49.4	1987
1988	---	---	3.56	16.4	61.8	71.5	34.9	14.6	0.57	10.2	---	---	27.6	1988
1989	---	---	1.63	9.23	84.9	134	102	143	55.5	23.3	---	---	69.1	1989
1990	---	---	4.06	14.2	110	234	74.7	20.3	15.8	12.1	---	---	60.4	1990
MEAN	---	---	3.85	14.4	85.1	127	82.4	47.9	31.3	22.6	---	---	49.4	MEAN

LOCATION - LAT 54 22 20 N, LONG 118 35 40 W DRAINAGE AREA, 3 300 km² NATURAL FLOW

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	276E ON JUN 27	275E ON JUN 27	---	---	1976
1977	368 AT 05:00 MST ON MAY 06	309 ON MAY 06	---	---	1977
1978	292 AT 21:00 MST ON JUL 11	220 ON JUN 23	---	---	1978
1979	317 AT 10:30 MST ON MAY 27	275 ON MAY 27	---	---	1979
1980	736 AT 21:30 MST ON JUN 04	683 ON JUN 04	---	---	1980
1981	726 AT 19:30 MST ON MAY 26	205 ON MAY 27	---	---	1981
1982	2 700 AT 21:00 MST ON JUL 15 *	1 680A ON JUL 15 *	---	---	1982
1983	507A ON JUL 15	400E ON JUL 15	---	---	1983
1984	192 AT 20:00 MST ON JUN 07	180A ON JUN 09	2.03B ON MAR 02 3.75B ON MAR 16	959 000 938 000	1984
1985	184 AT 10:30 MST ON MAY 23	168A ON MAY 25	2.83B ON MAR 29	953 000	1985
1986	356 AT 10:00 MST ON MAY 29	318 ON MAY 28	3.80B ON MAR 13	1 150 000	1986
1987	538 AT 06:30 MST ON AUG 02	453 ON AUG 02	3.48B ON MAR 05	1 040 000	1987
1988	137 AT 13:00 MST ON MAY 13	122 ON MAY 13	2.86B ON MAR 13	585 000	1988
1989	330 AT 23:00 MST ON AUG 23	295 ON AUG 03	1.25B ON MAR 12 *	1 460 000	1989
1990	1 120 AT 05:30 MST ON JUN 12	859 ON JUN 12	2.78B ON MAR 25	1 280 000	1990
				1 050 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	11.9	11.4	6.89	2.13	---	---	---	1931
1932	---	---	---	0.042	4.00	15.2	12.9	11.2	7.83	2.72	0.999	0.028	---	1932
1933	2.76	0.499	0.028	0.069	6.61	11.6	15.6	7.95	4.96	1.19	1.01	4.18	4.74	1933
1934	4.04	4.44	0.864	0.967	3.31	11.0	11.4	11.0	8.84	0.814	1.98	3.91	5.22	1934
1935	1.48	0.598	0.445	0.428	---	---	---	---	---	---	---	---	---	1935
MEAN	2.76	1.85	0.446	0.377	4.64	12.6	13.0	10.4	7.13	1.71	1.33	2.71	4.98	MEAN

LOCATION - LAT 50 37 20 N, LONG 115 07 30 W DRAINAGE AREA, 151 km² REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	17.8 ON JUN 18	---	---	1932
1933	---	22.0 ON MAY 15 *	0.028 ON JAN 01 *	149 000	1933
1934	---	15.5E ON SEP 02	0.178 ON OCT 29	164 000	1934
1935	---	---	---	---	1935
				157 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	17.9	14.8	9.63	3.03	---	---	---	1931
1932	---	---	---	---	---	---	21.0	17.2	11.6	4.87	2.29	1.38	---	1932
1933	3.77	1.31	0.699	0.955	10.9	29.8	26.7	14.5	6.04	3.37	2.20	1.98	6.93	1933
1934	4.64	5.39	1.72	3.52	14.3	27.8	19.9	17.8	15.4	11.7	5.40	5.09	8.76	1934
1935	2.37	1.26	0.891	0.870	3.12	16.7	22.0	12.7	3.33	3.46	4.32	8.37	6.66	1935
1936	5.36	4.92	0.939	1.03	8.59	17.2	19.1	12.2	3.15	2.33	5.97	9.20	7.49	1936
1937	7.35	2.08	0.788	1.01	4.56	10.6	19.6	15.7	5.80	3.13	4.09	1.98	6.40	1937
1938	1.87	1.47	3.13	2.37	9.51	30.8	23.5	12.2	5.78	5.29	2.76	6.69	8.82	1938
1939	3.92	8.29	3.76	1.50	6.00	9.11	14.3	14.6	9.64	3.50	3.13	5.10	6.91	1939
1940	6.90	9.08	5.20	1.14	8.24	11.8	12.8	14.1	14.0	5.56	8.61	7.72	8.76	1940
1941	5.49	4.15	---	---	4.04	7.99	12.0	12.0	7.58	4.41	3.08	---	---	1941
1942	---	---	---	1.70	7.54	11.2	11.1	5.96	---	---	---	---	---	1942
1943	---	---	---	---	3.27	8.50	11.7	4.96	2.22	---	---	---	---	1943
1944	9.98	8.83	7.71	4.47	4.29	6.91	5.26	4.57	2.75	1.44	4.86	10.7	5.98	1944
1945	9.34	8.28	6.91	4.29	2.87	10.6	7.86	4.19	2.53	1.83	9.90	10.4	6.56	1945
1946	8.84	7.63	6.84	4.79	8.39	12.5	8.06	4.56	3.84	4.12	11.2	12.1	7.76	1946
1947	10.7	9.28	7.72	5.21	8.43	13.8	9.64	4.39	7.90	7.76	11.5	11.6	8.97	1947
1948	10.3	9.11	7.31	5.56	11.3	16.5	8.40	6.61	5.09	5.77	9.13	11.6	8.89	1948
1949	10.3	9.19	7.58	4.79	5.24	6.13	4.75	4.18	2.20	2.16	9.80	9.12	6.27	1949
1950	8.13	6.84	4.02	4.73	3.24	13.6	8.96	3.96	2.97	6.40	11.5	10.6	7.07	1950
1951	9.77	8.38	6.73	3.99	7.67	11.4	14.1	5.45	7.08	7.11	12.2	12.1	8.85	1951
1952	10.7	8.93	7.20	5.99	6.11	8.60	6.95	4.23	2.52	1.50	10.8	11.7	7.09	1952
1953	10.5	8.27	6.82	5.19	3.13	11.9	9.85	4.16	2.44	1.62	9.86	11.7	7.11	1953
1954	10.8	9.06	7.71	6.59	6.35	13.5	13.7	5.92	5.18	5.43	13.2	13.3	9.23	1954
1955	11.3	9.66	6.44	0.873	1.37	9.32	---	---	---	---	---	---	---	1955
1975	12.9	13.8	17.3	0.558	0.185	0.492	2.63	1.55	5.78	2.12	7.23	12.1	6.35	1975
1976	16.5	19.6	15.2	0.653	1.11	3.02	0.902	10.2	10.4	5.45	8.47	9.06	8.33	1976
1977	13.3	12.5	7.19	6.27	1.12	1.01	0.272	0.537	0.186	6.63	16.4	8.74	6.11	1977
1978	8.15	14.0	15.2	1.95	0.374	0.715	2.95	6.35	9.52	7.22	9.04	11.6	6.97	1978
1979	11.0	13.3	10.4	9.16	1.06	0.050	0.388	1.82	10.8	3.90	5.00	7.52	6.15	1979
1980	9.24	12.8	12.5	5.59	1.46	9.67	3.05	3.00	3.90	9.20	15.2	14.2	8.29	1980
1981	17.7	11.3	0.093	0.183	0.353	5.25	6.38	11.5	7.88	9.12	14.2	10.9	7.89	1981
1982	10.2	11.9	12.8	8.77	0.388	2.03	2.94	0.891	1.49	3.41	8.75	12.6	6.46	1982
1983	12.4	12.9	12.0	6.13	1.20	0.844	0.396	3.57	8.08	6.02	8.74	11.8	7.00	1983
1984	12.2	12.0	8.90	2.89	0.574	0.335	0.634	2.59	4.19	3.33	6.77	11.0	5.44	1984
1985	11.9	13.1	12.1	2.83	0.634	2.16	6.71	4.14	1.09	0.214	5.10	9.94	5.80	1985
1986	10.9	10.5	11.0	12.5	6.80	23.0	1.41	3.77	4.76	3.18	14.2	16.6	9.85	1986
1987	14.2	4.79	3.22	2.23	9.02	2.26	1.41	0.318	0.682	4.75	6.40	9.93	4.95	1987
1988	9.84	6.15	9.27	10.2	8.46	4.59	4.58	1.03	3.93	8.70	9.42	12.7	7.17	1988
1989	13.8	9.95	5.60	0.438	3.46	1.20	2.42	4.76	1.27	8.31	9.06	9.93	5.85	1989
1990	11.8	11.7	11.1	8.82	1.89	6.88	6.85	5.36	5.14	6.98	8.85	10.9	8.00	1990
MEAN	9.69	9.02	7.33	4.05	4.77	9.91	9.26	6.99	5.46	4.61	8.26	9.87	7.34	MEAN

LOCATION - LAT 50 42 00 N
LONG 115 07 05 W

DRAINAGE AREA, 362 km²
REGULATED SINCE 1932

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	---	43.6E ON JUN 02	---	---	1933
1934	---	46.2 ON JUN 16 *	0.595 ON FEB 14	279 000	1934
		28.9 ON MAY 30	1.12 B ON NOV 23	276 000	
1935	---	24.7 ON JUL 25	0.793 ON APR 28	210 000	1935
1936	---	26.6 ON JUN 02	0.765 ON APR 01	237 000	1936
1937	---	22.9E ON JUL 16	0.708B ON MAR 27	202 000	1937
1938	---	30.2 ON JUN 22	1.02 B ON MAR 05	278 000	1938
1939	---	16.7 ON JUL 31	1.39 ON APR 27	218 000	1939
1940	---	22.7E ON SEP 06	1.05 ON APR 28	277 000	1940
1941	---	17.5 ON JUL 20	---	---	1941
1942	---	22.6 ON JUN 08	---	---	1942
1943	---	17.7 ON JUL 09	---	---	1943
1944	---	11.8 ON NOV 23	0.481 ON NOV 13	189 000	1944
1945	---	22.0 ON JUN 22	1.53 ON MAY 22	207 000	1945
1946	---	24.5 ON MAY 29	2.18 ON OCT 30	245 000	1946
1947	---	19.3 ON JUN 03	2.69 ON MAY 01	283 000	1947
1948	---	45.0 ON MAY 24	3.09 ON MAY 12	261 000	1948
1949	---	11.2 ON JAN 03	1.12 ON OCT 27	198 000	1949
1950	---	28.6 ON JUN 15	1.81 ON SEP 18	223 000	1950
1951	---	23.7 ON JUN 15	2.52 ON APR 30	292 000	1951
1952	---	13.3 ON JUN 05	1.16 ON NOV 01	279 000	1952
1953	---	23.4 ON JUN 13	1.41 ON OCT 25	224 000	1953
1954	---	21.2 ON JUL 02	2.15 ON MAY 15	291 000	1954
1955	---	26.7 ON JUN 13	---	---	1955
1975	---	27.2 ON JUL 04	0.028 ON APR 05 *	200 000	1975
1976	---	29.4 ON JAN 07	0.057 ON APR 03	263 000	1976
1977	30.0 ON DEC 30	25.4 ON NOV 20	0.028 ON JAN 25	193 000	1977
1978	32.3 AT 13:00 MST ON OCT 12	19.8 ON FEB 25	0.028 ON JAN 11	220 000	1978
1979	---	17.6 ON FEB 22	0.028 ON APR 29	194 000	1979
1980	---	20.1 ON NOV 18	0.028 ON APR 13	262 000	1980
1981	34.5 AT 15:25 MST ON NOV 24	23.9 ON JAN 31	0.073 ON MAR 17	249 000	1981
1982	40.5 AT 09:39 MST ON OCT 26 *	20.2 ON JAN 21	0.028 ON APR 20	204 000	1982
1983	---	16.6 ON MAR 11	0.039 ON APR 16	221 000	1983
1984	---	15.8 ON FEB 13	0.035 ON APR 08	172 000	1984
1985	---	26.8 ON JUL 23	0.036 ON APR 23	183 000	1985
1986	---	25.1 ON JUN 30	0.028 ON FEB 23	310 000	1986
1987	---	19.1 ON JAN 05	0.028 ON FEB 08	156 000	1987
1988	---	18.6 ON OCT 20	0.028 ON JAN 17	227 000	1988
1989	---	17.9 ON JAN 17	0.028 ON MAR 27	184 000	1989
1990	---	18.8 ON DEC 03	0.028 ON MAR 04	252 000	1990
				232 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO. 05BF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	3.32	2.17	5.09	---	1933
1934	4.68	5.31	1.64	3.38	14.4	19.9	17.9	15.2	11.7	2.55	2.71	---	---	1934
1935	---	---	---	---	3.20	16.9	---	---	---	---	---	---	---	1935
MEAN	4.68	5.31	1.64	3.38	8.80	18.4	17.9	15.2	11.7	2.94	2.44	5.09	---	MEAN

LOCATION - LAT 50 42 00 N LONG 115 08 00 W
DRAINAGE AREA, 367 km^2
REGULATED

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO. 05BF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	29.7 ON MAY 30 *	0.994 ON MAR 24 *	---	1934
1935	---	---	---	---	1935
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO. 05BF010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	13.9	12.2	7.96	3.67	1.44	0.363	---	1932
1933	2.95	0.831	0.206	0.231	6.99	13.6	16.1	8.37	5.44	1.43	1.06	4.14	5.13	1933
1934	3.84	4.41	1.08	1.57	5.71	11.5	11.4	11.2	9.03	1.08	1.58	4.24	5.55	1934
1935	1.62	0.607	0.434	0.434	0.835	6.50	13.2	7.91	0.912	2.28	3.40	7.36	3.83	1935
1936	4.92	4.44	0.527	0.502	3.85	8.88	12.6	7.97	0.865	1.11	4.62	8.25	4.90	1936
1937	6.20	1.65	0.440	0.516	1.83	2.13	11.9	11.0	2.76	1.39	2.57	1.10	3.65	1937
1938	0.905	0.870	2.90	2.08	6.22	18.6	16.7	8.35	3.41	4.00	1.37	6.16	6.00	1938
1939	3.37	7.67	2.85	0.721	1.92	2.71	6.82	10.4	6.47	1.54	1.63	3.81	4.15	1939
1940	5.85	7.90	4.09	0.745	2.84	3.83	6.44	9.85	9.28	3.70	7.50	6.87	5.73	1940
1941	5.09	---	---	---	1.67	2.08	7.40	8.68	4.72	2.51	2.10	---	---	1941
1942	---	---	---	1.05	2.25	2.77	1.69	0.821	---	---	---	---	---	1942
1943	---	---	---	---	1.01	1.98	1.78	0.433	0.203	---	---	---	---	1943
1944	---	---	---	---	---	---	---	---	---	0.165	3.40	8.18	---	1944
1945	7.58	6.88	6.03	3.72	1.27	3.87	1.64	0.473	0.313	0.266	7.10	7.91	3.90	1945
1946	7.17	6.72	6.46	4.68	3.33	2.63	1.21	0.537	0.739	2.96	10.0	11.1	4.78	1946
1947	9.97	8.84	7.69	5.05	2.46	2.69	1.20	0.566	4.64	6.07	10.2	10.9	5.84	1947
1948	9.33	---	---	---	---	---	---	---	---	---	---	---	---	1948
MEAN	5.29	4.62	2.97	1.77	3.01	5.98	8.27	6.58	4.04	2.30	4.14	6.18	4.86	MEAN

LOCATION - LAT 50 40 30 N LONG 115 08 10 W DRAINAGE AREA, 208 km² REGULATED

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO. 05BF010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	---	---	---	1932
1933	---	17.7 ON JUN 23	0.187 ON MAR 21 *	162 000	1933
1934	---	14.5 ON SEP 03	0.294 ON NOV 05	175 000	1934
1935	---	16.3 ON JUL 29	0.255 ON MAY 04	121 000	1935
1936	---	14.9 ON AUG 02	0.396 ON APR 01	155 000	1936
1937	---	14.6 ON JUL 16	0.368B ON MAR 27	115 000	1937
1938	---	23.8 ON MAY 30 *	0.850 ON FEB 21	189 000	1938
1939	---	11.2 ON FEB 20	0.476 ON APR 28	131 000	1939
1940	---	12.5 ON FEB 24	0.623 ON APR 28	181 000	1940
1941	---	11.6 ON JUL 23	---	---	1941
1942	---	11.2 ON JAN 17	---	---	1942
1943	---	15.8 ON FEB 09	---	---	1943
1944	---	---	---	---	1944
1945	---	9.06E ON JUN 24	0.241E ON OCT 01	123 000	1945
1946	---	11.8 ON NOV 23	0.362 ON AUG 22	151 000	1946
1947	---	12.5 ON SEP 24	0.382 ON SEP 04	184 000	1947
1948	---	---	---	---	1948
				152 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	14.1	14.7	19.8	9.90	8.43	15.1	15.0	8.42	9.95	5.84	10.4	12.7	12.0	1975
1976	17.4	20.8	17.4	10.9	13.1	15.2	9.61	19.4	17.4	9.79	11.1	11.2	14.4	1976
1977	15.7	14.2	11.4	9.43	8.60	11.5	5.44	6.07	5.95	9.19	17.9	9.55	10.4	1977
1978	8.73	15.6	16.9	8.95	10.5	21.3	13.9	12.4	11.6	12.4	11.9	14.6	13.2	1978
1979	11.7	15.3	13.5	14.9	14.1	12.3	4.57	6.97	13.6	5.71	6.14	8.67	10.6	1979
1980	9.78	13.8	14.7	10.6	15.9	35.4	10.2	8.82	9.48	13.4	18.9	16.6	14.8	1980
1981	20.5	14.3	3.66	4.79	23.7	32.7	29.2	19.9	12.9	12.5	17.9	12.2	17.0	1981
1982	10.8	16.1	15.9	18.7	7.58	25.1	12.2	5.96	4.81	6.87	10.0	15.3	12.4	1982
1983	15.5	15.6	15.0	10.8	16.0	14.0	10.2	7.39	12.2	9.36	10.8	12.7	12.4	1983
1984	15.3	14.6	11.6	10.5	6.91	16.8	7.27	7.37	6.99	7.47	8.57	12.7	10.5	1984
1985	14.8	16.0	15.9	13.5	13.0	12.3	16.0	8.31	9.57	6.55	7.54	14.1	12.3	1985
1986	13.8	14.0	15.7	20.2	23.6	50.0	13.3	10.5	11.3	10.5	20.1	24.0	18.9	1986
1987	21.2	5.95	5.78	1.81	23.6	10.7	8.53	6.53	5.05	8.36	9.73	11.4	9.95	1987
1988	12.8	9.42	11.9	17.7	24.8	15.0	11.1	8.59	8.68	14.5	14.1	17.0	13.8	1988
1989	16.4	16.7	11.8	0.113	12.2	15.6	9.46	12.2	9.51	13.4	13.5	13.4	12.2	1989
1990	15.3	15.2	15.5	17.9	18.6	42.0	22.7	13.6	11.3	10.7	13.3	13.7	17.5	1990
MEAN	14.7	14.5	13.5	11.3	15.0	21.6	12.4	10.1	10.0	9.78	12.6	13.7	13.3	MEAN

LOCATION - LAT 51 02 30 N LONG 115 01 55 W DRAINAGE AREA, 899 km² REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	32.0 ON JUN 23	0.227E ON MAY 12	379 000	1975
1976	---	32.0 ON AUG 06	0.255 ON MAY 31	456 000	1976
1977	55.5 AT 12:10 MST ON MAY 13 *	31.4 ON NOV 24	0.255 ON SEP 20	327 000	1977
1978	30.9 ON JUN	29.4 ON JUN 06	0.283 ON APR 02	417 000	1978
1979	---	28.8 ON MAY 19	0.142 ON MAY 23	334 000	1979
1980	---	51.1 ON JUN 04	0.198 ON MAR 27	467 000	1980
1981	---	61.4 ON MAY 26	0.193 ON SEP 15	538 000	1981
1982	---	31.8 ON JUN 18	0.377 ON MAY 16	391 000	1982
1983	---	31.1 ON MAY 29	0.308 ON NOV 16	392 000	1983
1984	---	31.1 ON JUN 13	0.292 ON MAY 13	331 000	1984
1985	---	31.4 ON JUL 18	0.204 ON MAY 12	388 000	1985
1986	---	66.7 ON JUN 01 *	0.510 ON APR 13	596 000	1986
1987	---	34.3 ON MAY 14	0.085 ON FEB 10 *	314 000	1987
1988	---	29.7 ON MAY 13	0.311 ON JUL 10	437 000	1988
1989	---	23.5 ON JUN 08	0.113 ON MAR 28	384 000	1989
1990	---	65.7 ON JUN 04	0.311 ON MAY 20	551 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		419 000	MEAN

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO. 05BF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	1.14	0.869	3.88	---	1933
1934	3.72	4.23	0.786	0.860	3.03	10.5	10.8	11.0	8.83	0.732	1.94	3.83	5.03	1934
1935	1.47	0.543	0.410	0.401	0.114	4.86	12.1	6.71	0.681	2.01	3.29	7.66	3.39	1935
1936	4.98	4.20	0.447	0.472	3.07	8.23	12.7	7.31	0.659	1.13	5.15	8.38	4.74	1936
1937	6.29	1.42	0.406	0.470	0.881	0.225	11.1	11.1	2.22	1.12	1.88	1.00	3.21	1937
1938	0.853	0.813	2.71	1.95	5.33	15.2	15.6	8.50	3.31	3.98	1.10	6.42	5.52	1938
1939	3.00	8.11	2.55	0.496	1.30	1.23	6.83	10.8	6.10	1.08	1.31	3.81	3.87	1939
1940	5.90	8.20	4.01	0.679	1.60	2.69	6.27	10.1	9.03	3.24	7.35	6.55	5.46	1940
1941	4.96	3.57	1.07	0.508	1.05	1.25	7.58	8.78	4.47	2.21	2.10	2.92	3.38	1941
1942	8.49	9.20	1.45	0.454	---	---	---	---	---	---	---	---	---	1942
MEAN	4.41	4.48	1.54	0.699	2.05	5.51	10.4	9.29	4.41	1.85	2.78	4.94	4.33	MEAN

LOCATION - LAT 50 36 40 N LONG 115 07 20 W DRAINAGE AREA, 151 km^2 REGULATED

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO. 05BF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	14.9 ON SEP 02	0.147 ON OCT 31	159 000	1934
1935	---	14.2 ON JUL 28	0.057E ON APR 27 *	107 000	1935
1936	---	14.6 ON AUG 02	0.368E ON APR 01	150 000	1936
1937	---	14.4 ON JUL 19	0.079 ON JUN 13	101 000	1937
1938	---	20.1 ON JUN 22 *	0.708E ON NOV 25	174 000	1938
1939	---	12.4 ON FEB 18	0.085 ON MAY 02	122 000	1939
1940	---	13.2 ON FEB 19	0.096 ON APR 30	173 000	1940
1941	---	11.8 ON JUL 21	0.278 ON APR 25	107 000	1941
1942	---	---	---	---	1942
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		137 000	MEAN

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	20.2	8.48	---	---	---	1911
1912	3.84	3.65	3.65	3.63	13.5	44.8	56.5	40.3	18.5	10.7	7.14	5.79	17.7	1912
1913	4.76	4.80	5.06	5.95	13.9	48.5	35.3	36.2	28.0	14.4	8.68	6.39	17.5	1913
1914	4.02	4.05	4.33	4.78	20.5	46.8	48.2	27.2	17.0	15.4	8.81	5.59	17.3	1914
1915	2.73	4.11	3.77	5.65	26.1	53.6	57.0	30.6	23.0	13.6	9.29	7.55	20.5	1915
1916	4.46	3.33	4.31	5.99	17.8	68.8	80.6	42.0	32.2	13.8	8.90	5.59	25.3	1916
1917	3.52	2.25	3.87	3.69	21.5	58.9	49.5	28.4	17.3	11.2	6.50	---	---	1917
1918	---	---	---	3.84	9.31	49.0	34.6	26.7	17.5	11.6	5.71	4.02	---	1918
1919	3.25	2.02	2.01	4.75	25.4	40.2	29.6	34.3	18.1	8.87	4.79	5.04	14.9	1919
1920	3.78	3.94	3.09	3.05	10.6	34.3	57.4	27.7	15.3	8.71	5.22	4.32	14.9	1920
1921	3.39	3.51	3.27	4.42	26.4	51.5	40.2	27.7	13.5	8.59	6.38	4.61	16.2	1921
1922	3.35	2.95	3.80	3.74	19.9	47.7	29.5	24.0	16.2	9.33	6.44	5.62	14.0	1922
1923	2.27	2.49	3.08	3.25	11.9	88.1	44.3	28.3	17.6	10.4	6.28	4.28	18.5	1923
1924	2.95	3.58	3.48	3.53	20.1	41.9	40.1	38.9	17.9	7.99	5.73	4.46	15.9	1924
1925	4.10	3.62	3.05	6.37	29.1	51.1	34.5	29.0	19.7	12.1	7.01	4.95	17.1	1925
1926	4.76	4.10	3.58	5.95	11.7	24.9	29.9	19.1	28.5	17.4	10.1	---	---	1926
1927	---	---	---	5.62	14.3	74.4	51.4	33.0	26.5	16.4	7.31	1.81	---	1927
1928	3.31	3.85	4.73	5.22	12.8	61.9	48.8	28.1	15.2	9.62	6.50	4.42	18.7	1928
1929	4.23	3.29	3.70	3.37	18.8	68.0	30.5	21.5	13.4	9.22	5.24	3.84	15.5	1929
1930	2.80	3.58	3.45	6.50	21.8	51.5	42.3	27.2	17.8	8.96	5.07	4.13	16.3	1930
1931	3.70	3.61	3.71	3.33	13.9	33.9	33.4	18.3	12.9	6.29	---	---	---	1931
1932	---	---	---	---	29.2	82.9	52.9	24.4	16.1	8.24	6.17	5.04	---	1932
1933	5.51	2.74	3.14	3.68	22.5	57.5	32.5	21.1	14.5	8.20	6.23	6.01	16.0	1933
1934	6.05	8.06	4.24	9.30	29.4	34.2	25.1	19.0	14.4	6.22	5.57	8.11	14.2	1934
1935	4.75	4.25	3.27	3.24	9.50	34.5	34.0	19.2	6.43	6.35	6.52	9.51	11.8	1935
1936	6.56	5.93	2.52	4.46	16.2	30.0	22.7	14.9	6.14	5.23	7.98	10.6	11.1	1936
1937	6.05	3.62	2.09	2.61	10.8	28.3	31.4	22.9	10.6	8.00	7.39	3.80	11.5	1937
1938	4.61	3.03	4.36	5.14	27.0	64.6	39.5	21.5	10.8	8.97	3.88	6.76	15.9	1938
1939	4.84	7.93	5.83	4.17	12.9	26.6	24.9	19.9	17.5	8.12	6.70	8.18	12.3	1939
1940	7.70	8.36	9.17	5.46	17.9	22.4	18.1	16.9	22.0	11.4	10.5	9.51	13.3	1940
1941	6.06	6.05	5.33	4.85	9.53	17.7	17.6	17.6	15.4	10.4	6.98	7.52	10.4	1941
1942	11.5	9.26	6.68	6.10	33.4	39.1	29.4	17.1	12.9	9.55	7.95	15.9	16.6	1942
1943	7.30	16.7	16.2	12.4	14.6	28.2	31.6	13.8	8.41	6.64	12.8	14.7	15.2	1943
1944	12.9	11.7	10.7	7.81	11.0	18.6	12.9	12.9	8.62	7.46	7.40	11.4	11.1	1944
1945	9.72	9.97	8.38	6.51	14.1	37.7	29.0	13.9	10.6	8.72	14.6	14.1	14.8	1945
1946	12.0	11.1	10.0	9.81	28.2	38.7	20.7	12.1	12.4	9.93	15.6	17.2	16.5	1946
1947	15.1	13.2	10.6	10.8	21.6	38.9	27.8	9.21	15.2	17.2	15.6	16.1	17.2	1947
1948	13.8	10.0	11.8	12.7	33.7	46.1	22.9	17.1	10.5	9.19	10.6	10.5	17.4	1948
1949	---	---	---	---	---	---	9.66	8.16	---	---	8.97	---	---	1949
1950	---	---	---	9.47	---	36.3	---	12.0	6.96	9.54	---	---	---	1950
1951	---	---	---	---	---	---	---	---	24.4	18.8	15.9	---	---	1951
1952	---	6.06	---	17.4	18.5	21.6	20.7	12.7	6.46	5.88	12.5	13.3	---	1952
1953	12.2	10.0	12.5	13.2	14.9	37.5	29.5	12.8	8.23	6.14	12.2	12.6	15.2	1953
1954	15.6	6.62	13.8	14.8	18.0	38.6	36.2	16.2	12.5	12.5	17.1	16.7	18.3	1954
1955	11.7	12.2	10.8	12.2	6.48	23.9	16.3	6.68	4.17	5.10	12.3	17.7	11.6	1955
1956	22.8	21.7	18.2	6.53	15.6	18.9	22.7	11.1	14.6	7.08	14.3	12.2	15.5	1956
1957	15.4	15.5	15.4	17.5	15.7	12.8	7.43	5.41	7.21	8.97	4.69	13.9	11.6	1957
1958	14.7	24.0	21.5	15.1	10.7	17.5	14.4	6.37	5.09	8.48	17.3	20.8	14.6	1958
1959	17.7	28.0	9.61	9.08	7.80	22.5	13.9	9.77	8.48	10.0	9.97	16.4	13.5	1959
1960	15.9	14.0	15.5	5.90	11.8	17.4	15.5	14.7	9.04	7.09	14.2	14.6	13.0	1960
1961	12.7	13.4	13.9	10.3	16.4	21.8	14.9	14.3	13.1	14.3	17.9	19.0	16.0	1961
1962	16.5	22.0	22.4	10.9	9.51	16.7	5.74	5.11	5.14	---	---	---	---	1962
MEAN	8.07	8.18	7.56	7.15	17.9	40.6	31.2	20.5	14.6	9.94	9.14	9.33	15.4	MEAN

LOCATION - LAT 51 02 50 N DRAINAGE AREA, 933 km²
LONG 115 01 40 W REGULATED SINCE 1932

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	92.3 ON JUL 71	2.04 ON DEC 11	561 000	1912
1913	---	60.9 ON JUN 10	1.17 B ON MAR 31	483 000	1913
1914	---	67.1 ON JUN 19	2.12 B ON FEB 05	546 000	1914
1915	---	152 ON JUN 27	2.12 ON JAN 26	647 000	1915
1916	---	209 ON JUN 10	3.20 B ON FEB 11	799 000	1916
1917	---	85.8 ON JUN 09	1.47 B ON FEB 01	---	1917
1918	---	93.4 ON JUN 15	---	---	1918
1919	---	75.0 ON AUG 05	0.934B ON MAR 02	471 000	1919
1920	74.2 AT 15:00 MST ON JUL 12	71.4 ON JUL 12	2.07 B ON APR 03	470 000	1920
1921	68.2 AT 09:00 MST ON JUN 08	68.0 ON JUN 08	2.61 B ON MAR 13	511 000	1921
1922	67.4 AT 10:00 MST ON JUN 05	65.7 ON JUN 05	0 B ON FEB 11 *	442 000	1922
1923	168 AT 22:00 MST ON JUN 13	144 ON JUN 01	1.98 B ON JAN 22	582 000	1923
1924	77.0 AT 12:00 MST ON JUL 05	75.9 ON JUL 03	2.18 B ON JAN 03	504 000	1924
1925	69.4 AT 05:00 MST ON MAY 23	68.0 ON JUN 22	2.27 B ON MAR 30	540 000	1925
1926	49.8 AT 19:00 MST ON SEP 01	48.7 ON SEP 01	3.26 B ON APR 08	---	1926
1927	105 AT 21:00 MST ON JUN 09	103 ON JUN 09	---	---	1927
1928	---	82.1E ON JUN 15	1.73 B ON JAN 01	523 000	1928
1929	161 AT 23:00 MST ON JUN 02	146 ON JUN 03	2.94 ON JAN 30	487 000	1929
1930	71.1 AT 03:00 MST ON JUN 11	69.7 ON JUN 11	2.72 B ON JAN 06	514 000	1930
1931	52.1 AT 18:00 MST ON JUN 17	45.9 ON JUN 17	2.86 B ON MAR 27	---	1931
1932	337 AT 16:30 MST ON JUN 02 *	283 ON JUN 03 *	---	---	1932
1933	110 AT 04:00 MST ON JUN 17	111 ON JUN 17	1.02 B ON FEB 13	506 000	1933
1934	57.2 AT 18:00 MST ON MAY 30	55.8 ON MAY 30	3.43 B ON MAR 10	447 000	1934
1935	50.7 AT 04:00 MST ON JUN 19	49.3 ON JUN 18	2.80 E ON APR 04	374 000	1935
1936	69.4 AT 05:00 MST ON JUN 02	63.4 ON JUN 02	2.18 B ON APR 01	351 000	1936
1937	44.2 AT 05:00 MST ON JUN 16	43.0 ON JUL 16	1.70 B ON MAR 30	363 000	1937
1938	85.2 AT 15:00 MST ON MAY 28	82.7 ON MAY 28	2.80 B ON MAR 07	502 000	1938
1939	42.5 AT 02:30 MST ON JUN 23	41.3 ON JUN 22	3.03 B ON JAN 14	388 000	1939
1940	42.5 AT 21:00 MST ON SEP 05	36.5 ON MAY 25	4.76 ON APR 06	420 000	1940
1941	25.1 AT 22:30 MST ON JUL 16	21.7 ON JUL 18	3.20 B ON JAN 00	329 000	1941
1942	67.7 AT 14:30 MST ON MAY 25	66.3 ON MAY 25	5.01 B ON FEB 23	525 000	1942
1943	52.7 AT 07:00 MST ON JUL 03	49.3 ON JUL 03	4.90 B ON JAN 28	481 000	1943
1944	---	26.6 ON JUN 13	3.48 B ON NOV 13	351 000	1944
1945	69.1 AT 03:00 MST ON JUN 22	62.9 ON JUL 02	5.07 ON APR 30	466 000	1945
1946	67.7 AT 04:00 MST ON MAY 29	66.5 ON MAY 29	6.34 ON NOV 03	520 000	1946
1947	81.3E AT 14:00 MST ON SEP 05	50.1 ON AUG 06	0.623E ON AUG 10	542 000	1947
1948	180 AT 10:50 MST ON MAY 24	142 ON MAY 24	0.510 ON APR 18	551 000	1948
1949	---	---	---	---	1949
1950	109 ON JUN 16	69.9 ON JUN 18	---	---	1950
1951	135 AT 16:30 MST ON JUN 15	101 ON JUN 15	---	---	1951
1952	85.5 AT 15:00 MST ON MAY 28	33.7 ON JUL 03	0.765 ON MAY 11	---	1952
1953	---	85.2 ON JUN 13	0.906 ON JAN 17	478 000	1953
1954	---	101 ON JUN 15	0.283 ON JAN 31	577 000	1954
1955	66.0 AT 16:00 MST ON JUN 25	54.9 ON JUN 24	0 ON APR 30	366 000	1955
1956	---	32.8 ON JUL 14	0.283 ON APR 06	489 000	1956
1957	---	33.7 ON APR 24	0.566 ON MAY 26	367 000	1957
1958	---	35.4 ON APR 02	0.283 ON APR 14	460 000	1958
1959	48.4 AT 16:00 MST ON MAY 22	34.3 ON FEB 07	0.708 ON MAR 08	425 000	1959
1960	---	32.0 ON JUL 21	0.283 ON MAR 26	410 000	1960
1961	---	62.6 ON JUN 05	0.283 ON APR 15	504 000	1961
1962	---	33.7 ON FEB 18	---	---	1962
				485 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.675	0.569	0.672	0.306	0.092	---	1971
1972	0.027	0.009	0.011	2.66	20.5	4.64	5.16	0.653	0.112	0.514	0.508	0.087	3.94	1972
1973	0.057	0.012	0.015	6.95	12.1	7.41	1.27	5.11	1.42	0.667	0.200	0.107	4.36	1973
1974	0.053	0.039	0.035	12.4	13.4	3.76	2.08	1.03	0.558	0.536	0.178	0.035	4.21	1974
1975	0.004	0	0	2.89	6.65	3.90	1.02	0.834	1.98	0.290	0.147	0.081	2.29	1975
1976	0.029	0	0	3.42	2.01	7.70	6.73	5.68	1.61	2.56	0.806	0.136	3.83	1976
1977	0.089	0.127	0.112	1.92	6.49	17.7	2.08	0.488	0.204	0.281	0.156	0.058	3.97	1977
1978	0.005	0	0	1.94	10.3	2.33	0.414	4.49	8.93	3.63	0.849	0.180	4.00	1978
1979	0.059	0.017	0.037	1.75	18.5	14.5	5.42	0.650	0.397	0.236	---	---	5.18	1979
1980	---	---	0.003	0.781	1.29	0.984	0.673	0.307	0.437	0.450	---	---	0.615	1980
1981	---	---	0.109	3.13	10.0	1.16	0.558	0.157	0.008	0.075	---	---	1.91	1981
1982	---	---	0	1.86	7.40	0.410	0.050	0.806	0.163	0.112	---	---	1.37	1982
1983	---	---	0.007	3.70	3.77	2.63	4.20	0.956	0.792	0.390	---	---	2.05	1983
1984	---	---	0.019	0.864	4.50	3.66	7.52	0.449	1.87	0.917	---	---	2.48	1984
1985	---	---	0.221	3.60	9.48	1.04	0.453	0.227	0.987	1.36	---	---	2.17	1985
1986	---	---	0.020	2.45	5.56	3.00	2.63	0.591	0.113	0.429	---	---	1.85	1986
1987	---	---	0.036	6.84	5.39	9.62	1.01	15.0	0.464	0.336	---	---	4.83	1987
1988	---	---	0.021	1.73	4.46	4.12	4.39	0.701	0.179	0.283	---	---	1.99	1988
1989	---	---	0.025	3.74	18.8	4.43	0.506	1.21	0.594	1.30	---	---	3.84	1989
1990	---	---	0.021	6.66	10.8	11.3	0.547	0.120	0.050	0.156	---	---	3.68	1990
MEAN	0.040	0.026	0.036	3.80	9.02	5.33	2.54	2.01	1.07	0.760	0.394	0.096	3.08	MEAN

LOCATION - LAT 57 44 40 N
LONG 117 37 20 W
DRAINAGE AREA, 667 km²
NATURAL FLOW

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	48.4 AT 21:00 MST ON MAY 11	47.9 ON MAY 11	0.003B ON MAR 01	83 400	1972
1973	42.5 AT 10:30 MST ON JUN 18	41.3 ON JUN 18	0.001B ON MAR 01	92 300	1973
1974	56.9 AT 20:00 MST ON APR 27	54.1 ON APR 27	0.025B ON MAR 11	89 200	1974
1975	27.0 AT 01:00 MST ON JUN 30	24.0 ON JUN 29	0 B ON MAR 01 *	48 400	1975
1976	34.5 AT 11:00 MST ON JUN 29	34.5 ON JUN 28	0 B ON MAR 01	81 100	1976
1977	103 AT 13:00 MST ON JUN 04	85.5 ON JUN 04	0.085B ON MAR 24	84 100	1977
1978	36.0 AT 15:30 MST ON MAY 01	34.3 ON MAY 01	0 B ON MAR 01	84 600	1978
1979	41.2 AT 21:00 MST ON MAY 29	39.4 ON JUN 02	0.020B ON MAR 01	110 000	1979
1980	7.55 AT 12:00 MST ON MAY 26	6.95 ON MAY 26	0 B ON MAR 01	13 000	1980
1981	40.0 AT 20:00 MST ON MAY 03	38.5 ON MAY 03	0 B ON MAR 01	40 300	1981
1982	23.5 AT 05:30 MST ON MAY 05	21.1 ON MAY 05	0 B ON MAR 01	28 900	1982
1983	16.5 A AT 18:30 MST ON JUL 16	15.2 A ON JUL 17	0.005B ON MAR 01	43 400	1983
1984	30.4 AT 11:30 MST ON JUL 02	29.9 ON JUL 02	0 B ON MAR 01	52 500	1984
1985	28.1 AT 03:00 MST ON MAY 06	27.8 ON MAY 05	0.005B ON MAR 06	46 000	1985
1986	15.4 AT 20:00 MST ON JUN 22	14.0 ON JUN 23	0.010B ON MAR 01	39 200	1986
1987	154 AT 05:00 MST ON AUG 03 *	142 A ON AUG 03 *	0.032B ON MAR 29	102 000	1987
1988	16.0 AT 15:00 MST ON JUL 02	13.8 ON JUL 02	0.016B ON APR 01	42 000	1988
1989	38.3 AT 21:00 MST ON MAY 02	37.3 ON MAY 02	0.016B ON MAR 28	81 300	1989
1990	57.9 AT 10:30 MST ON JUN 14	56.9 ON JUN 14	0.006B ON MAR 01	77 800	1990
				65 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.098	0.069	0	0	0	0	0	0	---	---	0.021	1982
1983	---	---	0.022	0	0	0	0	0	0	0	---	---	0.003	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	J	1984
1985	---	---	0.368	0.902	0	0	0	0	0	0	---	---	0.157	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	---	0.044	0.006	0	0	0	0	0	0	---	---	0.006	1987
1988	---	---	0	0	0	0.328	0	0	0	0	---	---	0.040	1988
1989	---	---	0	0.041	0	0	0	0	0	0	---	---	0.005	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0.059	0.113	0	0.036	0	0	0	0	---	---	0.026	MEAN

LOCATION - LAT 51 05 45 N, LONG 110 15 31 W DRAINAGE AREA, 939 km^2, REGULATED SINCE 1985

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.728 ON MAR 29	0B ON MAR 01 *	440	1982
1983	---	0.179B ON MAR 14	0B ON MAR 01	59.8	1983
1984	---	0 B ON MAR 01	0B ON MAR 01	0	1984
1985	---	9.60 B ON APR 02 *	0B ON MAR 01	3 320	1985
1986	---	0.002 ON MAR 01	0 ON MAR 04	0.346	1986
1987	---	0.306 ON MAR 26	0B ON MAR 01	132	1987
1988	7.00A AT 11:00 MST ON JUN 09 *	5.57 ON JUN 09	0 ON MAR 01	851	1988
1989	---	0.556 ON APR 03	0 ON MAR 01	107	1989
1990	---	0 ON MAR 01	0 ON MAR 01	0	1990
				546	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KETCHUM CREEK NEAR ORION - STATION NO. 05AF007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.002	0	0.148	0.086	0	0	---	---	---	1915
1916	---	---	0.512	0.018	0.065	0.166	0.112	0	0.009	0.006	---	---	0.112	1916
1917	---	---	0	2.33	0.011	0	0	0	0	0	---	---	0.206	1917
1918	---	---	1.93	0.142	0.002	0	0	0	0	0	---	---	0.262	1918
1919	---	---	0	0.207	0	0	0	0	0	0	---	---	0.025	1919
1920	---	---	0.441	0.215	0.085	0	0	0	0	0	---	---	0.093	1920
1921	---	---	0.165	0.168	0.241	0.006	0	0	0	0	---	---	0.073	1921
1922	---	---	0.006	1.80	0.022	0	0	0	0	0	---	---	0.224	1922
1923	---	---	0.354	0.161	0.009	0.199	0.013	0	0	0	---	---	0.092	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.203	0.120	0	0	0	0	0	0	---	---	0.040	1925
1936	---	---	0	0.455	0	0	0	0	0	0	---	---	0.056	1936
MEAN	---	---	0.328	0.511	0.036	0.031	0.023	0.007	0.001	0.001	---	---	0.115	MEAN

LOCATION - LAT 49 20 00 N, LONG 110 50 00 W DRAINAGE AREA, 184 km^2, NATURAL FLOW

KETCHUM CREEK NEAR ORION - STATION NO. 05AF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAY 01 *	---	1915
1916	---	3.99 ON MAR 11	0 ON MAR 05	2 360	1916
1917	---	10.4 ON APR 09	0 ON MAR 01	6 060	1917
1918	---	11.1 ON MAR 25 *	0 ON MAR 01	5 550	1918
1919	---	1.87 ON APR 19	0 ON MAR 01	535	1919
1920	---	2.52B ON MAR 22	0 ON MAR 01	1 970	1920
1921	---	1.93 ON MAY 09	0 ON MAR 10	1 540	1921
1922	---	8.44B ON APR 03	0 ON MAR 01	4 740	1922
1923	---	1.53 ON JUN 22	OB ON MAR 01	1 940	1923
1924	---	0 B ON MAR 01	OB ON MAR 01	0	1924
1925	---	2.04 ON MAR 29	OB ON MAR 01	855	1925
1936	---	2.72E ON APR 12	0 ON MAR 01	1 180	1936
				2 430	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.006	0.046	0.014	0.013	0.011	---	---	---	1982
1983	---	---	0.012	0.694	0.016	0.002	0.019	0.002	0.002	0.005	---	---	0.092	1983
1984	---	---	0.340	0.039	0.002	0.016	0.002	0.001	0.001	0.001	---	---	0.051	1984
1985	---	---	0.147	1.18	0.081	0.003	0.002	0.001	0.001	0.003	---	---	0.174	1985
1986	---	---	0.104	0.063	0.117	0.006	0.004	0.005	0.009	0.008	---	---	0.040	1986
1987	---	---	0.014	0.432	0.002	0.001	0.001	0.001	0.003	0.001	---	---	0.056	1987
1988	---	---	0.002	0.001	0.001	0.002	0.001	0.004	0	0.001	---	---	0.001	1988
1989	---	---	0.005	0.060	0.004	0.001	0	0	0.001	0.001	---	---	0.009	1989
1990	---	---	0.210	0.042	0.001	0.017	0.001	0.001	0.001	0.001	---	---	0.034	1990
MEAN	---	---	0.104	0.314	0.028	0.006	0.008	0.003	0.003	0.004	---	---	0.057	MEAN

LOCATION - LAT 52 33 57 N LONG 110 08 48 W
DRAINAGE AREA, 1 010 km^2
NATURAL FLOW

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.249 ON JUL 04	---	---	1982
1983	5.07 AT 10:58 MST ON APR 05	3.77 ON APR 05	0 B ON MAR 01 *	1 960	1983
1984	3.80 AT 11:22 MST ON MAR 26	2.41 ON MAR 26	0.001 ON MAY 13	1 070	1984
1985	8.64 AT 09:11 MST ON APR 02 *	7.76 ON APR 02 *	0 B ON MAR 01	3 690	1985
1986	---	0.404 ON MAR 30	0 B ON MAR 06	838	1986
1987	3.50 B AT 13:39 MST ON APR 02	2.66 B ON APR 02	0 B ON MAR 09	1 180	1987
1988	0.240 AT 22:30 MST ON AUG 18	0.042 ON AUG 19	0 B ON MAR 01	27.6	1988
1989	---	0.434B ON APR 03	0 B ON MAR 01	189	1989
1990	1.34 AT 16:16 MST ON JUN 06	0.802B ON MAR 08	0.001 ON APR 17	726	1990
				1 210	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 05GA009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0	0	0	0	0	---	---	---	1982
1983	---	---	0	0	0	0	0.047	0	0	0	---	---	0.006	1983
1984	---	---	0.049	0.025	0	0	0	0	0.049	0.002	---	---	0.016	1984
1985	---	---	0	2.13	0.203	0.003	0	0	0	0	---	---	0.287	1985
1986	---	---	0.192	0	0	0	0	0	0	0	---	---	0.024	1986
MEAN	---	---	0.060	0.539	0.051	0.001	0.009	0	0.010	0	---	---	0.083	MEAN

LOCATION - LAT 51 58 24 N LONG 111 28 47 W
DRAINAGE AREA, 222 km^2
NATURAL FLOW

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 05GA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0 ON JUN 01	0 ON JUN 01 *	---	1982
1983	---	0.300E ON JUL 10	OB ON MAR 01	127	1983
1984	0.706 AT 10:42 MST ON MAR 28	0.560 ON SEP 23	OB ON MAR 01	330	1984
1985	---	9.15 B ON APR 02 *	OB ON MAR 01	6 080	1985
1986	0.736 AT 11:04 MST ON MAR 15 *	0.712 ON MAR 15	0 ON MAR 01	514	1986
				1 760	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.027	0.946	0.181	0	0	0.001	0.003	0	---	---	0.143	1966
1967	---	---	0	0.684	0.100	0	0	0.002	0	0	---	---	0.097	1967
1968	---	---	0.582	0.280	0.016	0.188	0		0	0	---	---	0.133	1968
1969	---	---	0	0.602	0.004	0	0	0	0.002	0	---	---	0.075	1969
1970	---	---	0.286	0.338	0	0	0	0	0	0	---	---	0.078	1970
1971	---	---	0	0.347	0.001	0.426	0.193	0	0	0	---	---	0.119	1971
1972	---	---	0.110	0.976	0.022	0	0	0	0	0	---	---	0.136	1972
1973	---	---	0.004	0.785	0.004	0.003	0	0.010	0.002	0.003	---	---	0.099	1973
1974	---	---	0	2.02	0.129	0	0	0	0	0	---	---	0.263	1974
1975	---	---	0	0.503	0.003	0.001	0	0	0	0	---	---	0.062	1975
1976	---	---	0.002	0.838	0	0.114	0.025	0.595	0.014	0	---	---	0.197	1976
1977	---	---	0.012	0.295	0.016	0.001	0.005	0	0	0	---	---	0.040	1977
1978	---	---	0.107	0.039	0.001	0	0	0	0	0	---	---	0.018	1978
1979	---	---	0.007	0.760	0.044	0	0.001	0	0	0	---	---	0.100	1979
1980	---	---	0.020	0.086	0	0	0	0	0.004	0	---	---	0.014	1980
1981	---	---	0.881	0.119	0	0	0	0	0	0	---	---	0.126	1981
1982	---	---	0	0.632	0.091	0	0.036	0.239	0.001	0	---	---	0.124	1982
1983	---	---	0.005	0.447	0.002	0.446	0.222	0.002	0	0	---	---	0.139	1983
1984	---	---	0.015	0.002	0.062	0.030	0.001	0	0.005	0.001	---	---	0.014	1984
1985	---	---	0.606	0.243	0.001	0	0	0	0.001	0.002	---	---	0.107	1985
1986	---	---	0.186	0.049	0.034	0	0.001	0	0	0	---	---	0.034	1986
1987	---	---	0.053	0.201	0	0	0.004	0.079	0	0	---	---	0.042	1987
1988	---	---	0.108	0.012	0	0.053	0.064	0	0	0	---	---	0.030	1988
1989	---	---	0	0.222	0.025	0.004	0.051	0.225	0.051	0.056	---	---	0.079	1989
1990	---	---	0.343	0.114	0.004	0.390	0.003	0	0	0.001	---	---	0.106	1990
MEAN	---	---	0.134	0.462	0.030	0.066	0.024	0.046	0.003	0.003	---	---	0.095	MEAN

LOCATION - LAT 55 13 29 N DRAINAGE AREA, 31.6 km²
LONG 118 27 37 W REGULATED

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	5.66 AT 17:30 MST ON APR 05	3.71 ON APR 05	0 ON MAR 01 *	3 020	1966
1967	9.71 AT 17:00 MST ON APR 26	5.21 ON APR 26	0B ON MAR 01	2 050	1967
1968	6.34 ON JUN 13	4.22 ON JUN 13	0B ON MAR 17	2 810	1968
1969	10.3 B AT 18:00 MST ON APR 12	4.33 B ON APR 12	0B ON MAR 01	1 580	1969
1970	3.82 B AT 19:30 MST ON MAR 27	1.93 B ON APR 01	0B ON MAR 01	1 640	1970
1971	7.76 AT 11:00 MST ON JUN 26	3.88 ON JUL 11	0B ON MAR 01	2 520	1971
1972	9.06 AT 17:30 MST ON APR 19	3.88 ON APR 19	0B ON MAR 01	2 880	1972
1973	11.2 A AT 18:00 MST ON APR 10	6.17 A ON APR 10	0B ON MAR 01	2 100	1973
1974	14.5 AT 17:00 MST ON APR 20	8.38 ON APR 20 *	0B ON MAR 01	5 570	1974
1975	14.7 B AT 16:30 MST ON APR 18 *	6.06 B ON APR 18	0B ON MAR 01	1 310	1975
1976	14.0 AT 12:30 MST ON AUG 17	6.31 ON AUG 17	0B ON MAR 01	4 170	1976
1977	4.90 AT 15:30 MST ON APR 04	2.53 ON APR 04	0 ON APR 28	854	1977
1978	0.614A AT 17:30 MST ON MAR 21	0.473A ON MAR 21	0 ON MAY 17	389	1978
1979	7.41 A AT 18:30 MST ON APR 26	3.95 ON APR 27	0B ON MAR 01	2 110	1979
1980	1.04 AT 17:30 MST ON APR 01	0.431 ON APR 03	0B ON MAR 01	288	1980
1981	4.37 B AT 17:00 MST ON MAR 29	2.30 B ON MAR 16	0B ON MAR 01	2 670	1981
1982	9.34 AT 17:30 MST ON APR 26	5.05 ON APR 27	0B ON MAR 01	2 620	1982
1983	8.66 AT 20:00 MST ON JUN 24	4.60 ON APR 07	0B ON MAR 01	2 940	1983
1984	0.825 AT 23:30 MST ON MAY 16	0.576 ON MAY 17	0 ON JUN 26	306	1984
1985	12.4 B ON MAR 19	5.95 B ON MAR 19	0 ON MAY 12	2 270	1985
1986	2.54 B AT 18:00 MST ON MAR 27	1.02 B ON MAR 27	0 ON APR 27	720	1986
1987	3.45 AT 17:30 MST ON MAR 31	1.86 ON APR 01	0B ON MAR 01	887	1987
1988	1.33 AT 05:30 MST ON JUL 03	0.880 ON JUL 03	0B ON MAR 01	631	1988
1989	3.28 AT 09:00 MST ON AUG 23	2.45 ON AUG 23	0B ON MAR 01	1 670	1989
1990	8.93 AT 23:00 MST ON JUN 11	4.72 ON JUN 12	0 ON MAY 24	2 250	1990
				2 010	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	1.03	5.47	0.883	0.129	0.112	0.168	0.027	0.042	---	---	0.971	1921
1922	---	---	0.627	1.59	0.263	0.081	0.135	0.101	0.038	0.025	---	---	0.355	1922
1923	---	---	0.172	0.664	0.385	2.11	0.341	0.196	0.008	0.007	---	---	0.480	1923
1924	---	---	0.025	0.470	0.173	0.077	0.089	0.341	0.004	0.038	---	---	0.152	1924
1925	---	---	2.71	14.8	0.459	0.375	0.333	0.003	0.132	0.111	---	---	2.33	1925
1926	---	---	7.21	0.737	0.163	0.166	0.047	0.119	0.561	0.349	---	---	1.18	1926
1927	---	---	7.12	11.2	1.40	0.662	0.479	0.228	0.563	0.347	---	---	2.73	1927
1928	---	---	11.4	3.30	0.703	4.34	1.67	0.211	0.074	0.123	---	---	2.73	1928
1929	---	---	0.217	0.334	0.409	0.092	0.003	0	0	0	---	---	0.132	1929
1930	---	3.06	1.38	0.790	0.131	0.062	0.007	0.042	0.005	0.021	---	---	0.306	1930
1931	---	---	0.043	---	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	3.04	13.5	0.996	0.404	---	---	---	---	---	---	---	1936
1957	---	---	---	---	0.650	0.197	0.087	0.820	0.541	0.119	---	---	---	1957
1958	---	---	---	---	0.655	0.452	0.209	0.005	0.046	0.015	---	---	---	1958
1959	---	---	1.51	0.343	0.188	0.220	0.162	0.250	0.066	0.056	---	---	0.351	1959
1960	---	---	13.0	7.98	0.613	0.186	0.086	0.013	0	0	---	---	2.74	1960
1961	---	---	2.49	0.397	0.982	0.074	0.005	0.013	0	0	---	---	0.500	1961
1962	---	---	2.31	0.485	0.067	0.056	0.351	0.085	0.169	0.009	---	---	0.443	1962
1963	---	---	4.14	0.988	0.298	0.298	0.158	0.036	0.028	0	---	---	0.747	1963
1964	---	---	0.039	0.935	0.486	0.134	0.134	0	0.018	0.002	---	---	0.217	1964
1965	---	---	3.84	13.7	0.862	0.706	1.56	0.333	0.397	0.208	---	---	2.68	1965
1966	---	---	14.9	7.47	0.921	1.01	2.13	0.436	0.273	0.087	---	---	3.44	1966
1967	---	---	0.470	14.2	7.98	0.780	0.103	0	0	0.006	---	---	2.91	1967
1968	---	---	0.468	0.212	0.087	0.207	0.262	0.173	0.356	0.124	---	---	0.236	1968
1969	---	---	0.147	25.3	0.651	0.168	0.303	0.065	0.115	0.095	---	---	3.29	1969
1970	---	---	1.56	3.36	0.470	3.51	---	0.056	0.013	0.071	---	---	---	1970
1971	---	---	0.115	38.0	1.87	0.495	0.170	0.105	0.150	0.056	---	---	5.05	1971
1972	---	---	1.24	1.66	0.352	2.05	0.575	0.132	0.120	0.130	---	---	0.775	1972
1973	---	---	4.48	10.2	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0.005	28.2	7.21	1.07	0.384	0.244	0.136	0.107	---	---	4.61	1974
1975	---	---	0	3.99	---	0.337	0.073	0.039	0.022	0.031	---	---	---	1975
1976	---	---	2.20	1.22	0.087	0.060	0.020	0.179	0.009	0	---	---	0.472	1976
1977	---	---	0.104	0.814	0.208	0.052	0.021	0.022	0.026	0.017	---	---	0.156	1977
1978	---	---	2.25	3.04	0.310	0.501	0.058	0.072	0.551	0.077	---	---	0.851	1978
1979	---	---	1.86	0.825	0.290	0.040	0.014	0.014	0.003	0	---	---	0.382	1979
1980	---	---	0.050	3.38	0.158	0.233	0.090	0.174	0.002	0.017	---	---	0.505	1980
1981	---	---	1.05	0.297	1.51	0.063	0.034	0.031	0.009	0.029	---	---	0.381	1981
1982	---	---	1.33	3.80	0.350	0.203	0.140	0.023	0.029	0.032	---	---	0.731	1982
1983	---	---	0.300	0.917	0.201	0.011	0.126	0.043	0	0	---	---	0.198	1983
1984	---	---	0.221	0.085	0.015	0.034	0.025	0.010	0.112	0.013	---	---	0.064	1984
1985	---	---	2.55	1.02	0.186	0.001	0	0.038	0.045	0.024	---	---	0.484	1985
1986	---	---	1.70	0.167	1.22	0.180	0.334	0.138	0.440	1.21	---	---	0.689	1986
1987	---	---	0.117	2.88	0.268	0.045	0.139	0.067	0.030	0	---	---	0.437	1987
1988	---	---	0.116	0.126	0.003	0.039	0.034	0.350	0.016	0	---	---	0.086	1988
1989	---	---	0.407	2.64	0.201	0.108	0.075	0.026	0.029	0	---	---	0.429	1989
1990	---	---	1.07	1.68	0.333	5.19	1.43	0.219	0.025	0.029	---	---	1.23	1990
MEAN	---	3.06	2.30	5.42	0.829	0.618	0.303	0.131	0.118	0.082	---	---	1.19	MEAN

LOCATION LAT 51 28 40 N DRAINAGE AREA, 2 430 km²
LONG 112 51 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	17.1 ON APR 15	0.005 ON SEP 06	20 600	1921
1922	---	4.01B ON APR 02	0 B ON MAR 01 *	7 510	1922
1923	24.9 AT 23:00 MST ON JUN 01	9.10 ON JUN 01	0.003B ON MAR 15	10 200	1923
1924	6.91 AT 17:00 MST ON AUG 14	1.70 ON AUG 14	0 B ON MAR 01	3 210	1924
1925	72.5 AT 12:00 MST ON APR 07	65.4 ON APR 07	0 B ON MAR 01	49 300	1925
1926	---	25.9 ON MAR 19	0 ON JUL 21	24 900	1926
1927	---	27.0 ON APR 07	0 B ON MAR 01	57 800	1927
1928	---	56.6 B ON MAR 21	0 B ON MAR 01	57 900	1928
1929	---	1.12 ON MAY 14	0 B ON MAR 01	2 790	1929
1930	---	7.42 ON MAR 31	0 ON JUN 16	6 470	1930
1931	---	---	0 B ON MAR 01	---	1931
1935	---	---	0 ON SEP 01	---	1935
1936	---	39.1 B ON APR 14	0 B ON APR 04	---	1936
1957	---	15.9 ON AUG 11	---	---	1957
1958	---	---	0 ON AUG 10	---	1958
1959	7.82 AT 22:00 MST ON AUG 17	2.94B ON MAR 16	0.011 ON JUL 19	7 430	1959
1960	---	68.5 B ON MAR 26	0 B ON MAR 01	58 000	1960
1961	50.7 AT 00:20 MST ON MAY 30	19.4 ON MAY 30	0 ON MAR 01	10 600	1961
1962	12.8 AT 21:30 MST ON JUL 27	11.9 B ON MAR 19	0 B ON MAR 01	9 390	1962
1963	---	16.8 ON MAR 24	0 ON AUG 21	15 800	1963
1964	---	5.07B ON APR 04	0 B ON MAR 01	4 590	1964
1965	---	40.5 A ON APR 12	0 B ON MAR 01	56 700	1965
1966	120 AT 00:05 MST ON MAR 29	87.5 ON MAR 29	0 B ON MAR 01	72 800	1966
1967	78.2 AT 12:00 MST ON APR 14	38.2 ON APR 15	0 B ON MAR 01	61 600	1967
1968	---	4.25 ON SEP 22	0 ON JUL 14	4 990	1968
1969	---	123 ON APR 05 *	0 B ON MAR 01	69 600	1969
1970	---	14.4 ON JUN 16	0 B ON MAR 01	---	1970
1971	133 A AT 00:00 MST ON APR 09 *	110 ON APR 10	0 B ON MAR 01	107 000	1971
1972	23.4 AT 08:30 MST ON JUN 12	16.0 ON JUN 12	0 B ON MAR 01	16 400	1972
1973	28.1 AT 23:40 MST ON APR 04	26.2 ON APR 05	0 B ON MAR 01	---	1973
1974	124 B AT 21:00 MST ON APR 14	85.8 ON APR 15	0 B ON MAR 01	97 600	1974
1975	---	14.0 B ON APR 21	0 B ON MAR 01	---	1975
1976	21.8 AT 00:30 MST ON AUG 16	12.2 B ON MAR 23	0 ON SEP 20	9 990	1976
1977	6.37 AT 18:00 MST ON APR 08	4.42 ON APR 09	0 ON JUN 28	3 310	1977
1978	21.3 B AT 03:00 MST ON MAR 27	13.0 A ON MAR 29	0 B ON MAR 01	18 000	1978
1979	9.53B AT 16:00 MST ON MAR 07	8.86B ON MAR 07	0 B ON MAR 01	8 080	1979
1980	14.0 AT 00:30 MST ON APR 09	9.63 ON APR 09	0 B ON MAR 01	10 700	1980
1981	8.77 AT 13:15 MST ON MAY 09	7.31 ON MAY 10	0 ON AUG 16	8 080	1981
1982	14.4 AT 04:23 MST ON APR 16	12.7 ON APR 16	0 B ON MAR 01	15 500	1982
1983	---	3.72B ON APR 03	0 ON JUN 07	4 200	1983
1984	2.12 AT 22:56 MST ON SEP 06	1.12 ON SEP 21	0 B ON MAR 01	1 360	1984
1985	---	10.1 B ON MAR 16	0 B ON MAR 01	10 200	1985
1986	---	6.00B ON MAR 06	0.007E ON AUG 28	14 600	1986
1987	---	12.7 B ON APR 04	0 B ON MAR 01	9 250	1987
1988	9.13 AT 16:28 MST ON AUG 20	1.54 ON AUG 01	0 B ON MAR 04	1 820	1988
1989	---	4.96B ON MAR 31	0 B ON MAR 01	9 080	1989
1990	15.6 AT 09:13 MST ON JUN 15	15.1 ON JUN 15	0.013 ON OCT 01	26 100	1990
				25 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	1.93	1.82	0.147	---	---	---	---	---	---	---	1967
1968	---	---	0.304	0.050	0.018	0.038	0.081	0.081	0.005	0.019	---	---	---	1968
1969	---	---	0	6.54	0.212	0.043	0.026	0.003	0.037	0.013	---	---	---	1969
MEAN	---	---	0.101	2.84	0.683	0.076	0.054	0.042	0.021	0.016	---	---	---	MEAN

LOCATION - LAT 51 35 30 N LONG 113 30 50 W DRAINAGE AREA, 642 km^2 NATURAL FLOW

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.40 ON APR 29	0B ON MAR 01 *	---	1967
1968	---	1.81B ON MAR 08	0B ON FEB 28	---	1968
1969	40.6B AT 17:30 MST ON APR 06 *	37.9 B ON APR 06 *	0B ON MAR 01	---	1969
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KRAWCHUK DRAINAGE NEAR MCLENNAN - STATION NO. 07HA902

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0	0.181	0.013	0	0	0.002	0	0	---	---	0.028	1982
1983	---	---	---	0.022	0.003	---	---	---	0	0	---	---	---	1983
1984	---	---	---	0.005	0.129	0.089	0.015	0	0	0	---	---	0.034	1984
1985	---	---	---	0.266	0.001	0	0	0	0	---	---	---	---	1985
1986	---	---	---	0.134	0.015	0.001	0.001	0	0	0	---	---	0.021	1986
1987	---	---	---	---	0	0	0.036	0.098	0	0	---	---	---	1987
1988	---	---	---	0.003	0.002	0.097	0.010	0	0	0	---	---	0.017	1988
1989	---	---	---	0.114	0.014	0	0	0.013	0	0.003	---	---	0.021	1989
1990	---	---	---	0.241	0.013	0.092	0	0	0	0	---	---	0.049	1990
MEAN	---	---	0	0.121	0.021	0.035	0.009	0.014	0	0	---	---	0.028	MEAN

LOCATION - LAT 55 57 00 N LONG 117 02 00 W
DRAINAGE AREA, 12.9 km²
NATURAL FLOW

KRAWCHUK DRAINAGE NEAR MCLENNAN - STATION NO. 07HA902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	3.09 AT 18:04 MST ON APR 25	1.81 ON APR 25 *	0B ON APR 01 *	508	1982
1983	0.259 AT 05:42 MST ON APR 13	0.155 ON APR 13	0 ON JUN 11	---	1983
1984	1.90 AT 17:50 MST ON MAY 21	1.44 ON MAY 21	0 ON APR 05	629	1984
1985	2.60 B AT 14:52 MST ON APR 02	---	---	---	1985
1986	1.18 AT 19:47 MST ON MAR 28	0.482B ON APR 01	0 ON MAY 02	391	1986
1987	2.06 AT 02:41 MST ON JUL 29	1.15 ON AUG 10	0 ON APR 22	---	1987
1988	1.10 AT 12:44 MST ON JUN 09 *	1.42 ON JUN 09 *	0B ON APR 08	310	1988
1989	2.11 B AT 18:52 MST ON APR 12	0.918B ON APR 12	0B ON APR 01	379	1989
1990	3.10 AT 03:15 MST ON APR 05	1.76 B ON APR 05	0 ON MAY 29	899	1990
				519	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0	0	0	0	0	---	---	---	1977
1978	---	---	1.84	0.260	0.227	0.175	0.124	0.025	0.114	0.005	---	---	0.348	1978
1979	---	---	0.171	0.248	0.296	0.083	0.016	0	0	0	---	---	0.102	1979
1980	---	---	0.114	0.069	0.078	0.032	0	0	0	0	---	---	0.037	1980
1981	---	---	0.001	0	0.479	0.205	0.049	0.009	0.001	0.001	---	---	0.093	1981
1982	---	---	0.034	0.084	0.002	0.094	0.001	0	0	0	---	---	0.025	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0.135	0	---	---	0.017	1985
1986	---	---	0.029	0.004	0.007	0.001	0	0	0.030	0.003	---	---	0.009	1986
1987	---	---	0	0.003	0	0	0.117	0.003	0	0	---	---	0.016	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.006	0.022	0.003	0	0	0	0	0	---	---	0.004	1989
1990	---	---	0	0	0.068	0.007	0.021	0	0	0	---	---	0.012	1990
MEAN	---	---	0.169	0.053	0.089	0.043	0.023	0.003	0.020	0.001	---	---	0.051	MEAN

LOCATION - LAT 49 48 55 N LONG 113 35 25 W
DRAINAGE AREA, 191 km²
NATURAL FLOW

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON JUN 01 *	---	1977
1978	11.2 A AT 12:00 MST ON MAR 18	10.0 A ON MAR 18 *	0E ON MAR 01	7 360	1978
1979	0.921 AT 14:00 MST ON MAY 08	0.821 ON MAY 08	0B ON MAR 01	2 150	1979
1980	1.10 AT 03:05 MST ON MAY 27	0.777 ON MAY 27	0B ON MAR 06	775	1980
1981	10.4 AT 07:50 MST ON MAY 16	7.62 ON MAY 16	0 ON MAR 11	1 970	1981
1982	1.79 AT 15:30 MST ON JUN 06	1.19 ON JUN 07	0B ON MAR 01	558	1982
1983	0.021 AT 18:30 MST ON JUL 19	0.003 ON JUL 19	0B ON MAR 01	0.518	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	6.62 AT 17:39 MST ON SEP 12	3.02 ON SEP 12	0B ON MAR 01	350	1985
1986	14.7 AT 00:35 MST ON FEB 25 *	0.493 ON SEP 27	0 ON APR 05	194	1986
1987	3.68 AT 08:07 MST ON JUL 22	2.33 ON JUL 22	0 ON MAR 01	329	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	0.117 AT 01:30 MST ON APR 17	0.082 ON APR 17	0B ON MAR 01	80.8	1989
1990	1.22 AT 11:50 MST ON MAY 25	0.836 ON MAY 25	0 ON MAR 01	258	1990
				1 080	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	4.16	8.28	7.08	---	---	1.14	---	---	---	1977
1978	---	---	---	---	---	0.939	5.06	2.85	0.620	0.835	---	---	---	1978
1979	---	---	---	---	---	7.37	9.41	2.61	0.784	1.11	---	---	---	1979
1980	---	---	---	0.003	3.68	3.32	8.64	2.38	1.39	1.29	---	---	2.98	1980
1981	---	---	---	---	0.870	5.17	7.26	2.75	2.69	1.94	---	---	---	1981
1982	---	---	---	---	0.887	5.26	8.42	4.78	2.78	0.997	---	---	---	1982
1983	---	---	---	---	1.51	10.5	7.07	4.90	2.83	0.446	---	---	---	1983
1984	---	---	---	---	5.45	8.94	7.78	2.76	1.33	0.447	---	---	---	1984
1985	---	---	---	---	2.66	10.5	7.95	1.95	0.683	0.248	---	---	---	1985
1986	---	---	---	---	1.43	11.2	8.60	3.43	1.83	0.286	---	---	---	1986
1987	---	---	---	---	5.11	9.26	5.99	1.42	1.74	0.634	---	---	---	1987
1988	---	---	---	1.08	8.47	9.23	9.41	2.84	3.06	1.22	---	---	5.05	1988
1989	---	---	---	---	2.36	3.54	9.46	3.27	0.706	0.786	---	---	---	1989
MEAN	---	---	---	0.542	3.33	6.96	7.86	3.00	1.70	0.806	---	---	4.02	MEAN

LOCATION - LAT 49 53 00 N
LONG 113 11 00 W REGULATED

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	8.33 ON JUL 17	0 ON JUN 01 *	---	1978
1979	---	12.8 ON JUL 17	0 ON JUN 01	---	1979
1980	---	12.2 ON JUL 10	0 ON APR 01	55 000	1980
1981	---	12.6 ON JUL 10	0 ON OCT 26	---	1981
1982	---	12.2 ON JUL 23	0 ON MAY 01	---	1982
1983	---	14.0 ON JUN 19	0 ON MAY 01	---	1983
1984	14.4 AT 09:10 MST ON MAY 25 *	13.6 ON JUL 07	0 ON MAY 01	---	1984
1985	---	14.6 ON JUL 04	0 ON MAY 01	---	1985
1986	---	15.4 ON JUN 29 *	0 ON MAY 01	---	1986
1987	12.0 AT 06:45 MST ON JUN 19	11.3 ON JUN 15	0 ON MAY 01	---	1987
1988	---	14.0 ON JUN 23	0 ON APR 01	93 400	1988
1989	---	12.7 ON JUL 11	0 ON MAY 01	---	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		74 200	MEAN

L.N.I.D.CANAL AT DROP #6 - STATION NO. 05AC918

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	7.94	12.1	6.87	5.37	9.32	9.41	2.47	---	---	7.63	1985
MEAN	---	---	---	7.94	12.1	6.87	5.37	9.32	9.41	2.47	---	---	7.63	MEAN

LOCATION - LAT 49 58 30 N
LONG 113 06 00 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

L.N.I.D.CANAL AT DROP #6 - STATION NO. 05AC918

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	19.9 ON APR 26 *	0 ON APR 01 *	141 000	1985
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		141 000	MEAN

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0.462	0.739	3.41	8.14	2.80	---	---	---	---	1.73	1.24	---	1982
1983	0.841	0.810	0.818	5.47	5.83	2.94	17.1	4.94	6.28	8.71	9.21	4.64	5.67	1983
1984	3.85	3.95	6.70	10.6	8.21	6.29	2.97	2.20	2.55	3.82	2.77	3.22	4.76	1984
1985	3.30	3.04	3.96	16.0	16.2	4.14	2.19	2.84	4.34	6.93	5.25	3.60	5.99	1985
1986	3.52	3.30	6.98	12.1	9.29	3.33	4.11	2.79	4.02	6.41	5.22	3.86	5.42	1986
1987	3.54	3.17	2.90	12.0	9.67	3.21	1.60	1.87	3.04	3.86	3.62	2.56	4.24	1987
1988	0.848	0.557	2.39	5.83	3.02	1.45	1.06	0.663	0.731	0.735	0.895	0.826	1.58	1988
1989	0.824	0.346	0.241	2.69	---	1.82	1.44	1.14	1.34	1.73	1.47	1.53	---	1989
1990	1.69	1.80	2.43	10.7	11.2	3.82	2.70	2.45	2.48	2.49	2.30	1.80	3.83	1990
MEAN	2.30	1.94	3.02	8.76	8.95	3.31	4.15	2.36	3.10	4.34	3.61	2.59	4.50	MEAN

LOCATION - LAT 54 56 10 N
LONG 112 30 10 W

DRAINAGE AREA, 4 860 km^2
NATURAL FLOW

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	66.0 AT 08:30 MST ON JUL 22 *	63.0 ON JUL 22 *	0.787B ON MAR 08	179 000	1983
1984	---	13.3 B ON MAR 26	1.61 ON AUG 30	150 000	1984
1985	22.8 B AT 14:27 MST ON APR 06	20.0 B ON APR 06	1.99 ON JUL 21	189 000	1985
1986	18.5 B AT 21:12 MST ON MAR 31	15.0 B ON APR 02	1.25 ON JUL 07	171 000	1986
1987	18.5 B AT 00:43 MST ON APR 09	18.0 B ON APR 09	1.09 ON JUL 27	134 000	1987
1988	7.16 AT 23:42 MST ON APR 13	7.07 ON APR 14	0.386B ON JAN 20	50 100	1988
1989	---	---	0.221B ON MAR 26 *	---	1989
1990	18.4 B AT 00:21 MST ON APR 13	18.1 B ON APR 13	1.51 B ON JAN 12	121 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		142 000	MEAN

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.015	4.18	1.40	0.976	4.26	1.58	0.262	0.436	---	---	1.64	1976
1977	---	---	0.025	1.47	0.856	2.74	0.527	0.085	0.057	0.565	---	---	0.783	1977
1978	---	---	0.017	1.24	4.68	1.02	0.074	0.883	5.33	2.00	---	---	1.90	1978
1979	---	---	0.009	1.12	9.14	8.33	2.08	0.074	0	0	---	---	2.59	1979
1980	---	---	0.002	0.622	0.131	0.057	0.013	0.434	1.25	0.853	---	---	0.417	1980
1981	---	---	0.018	2.23	3.27	0.931	0.023	0.013	0.001	0.008	---	---	0.809	1981
1982	---	---	0	1.18	2.95	0.206	0.006	0.013	0.021	0.060	---	---	0.556	1982
1983	---	---	0.006	3.22	4.79	0.772	3.09	3.29	0.540	0.582	---	---	1.67	1983
1984	---	---	0.006	2.16	5.90	4.53	3.14	0.197	0.104	0.158	---	---	2.02	1984
1985	---	---	0.009	2.11	3.56	0.203	0.023	0.016	0.047	0.692	---	---	0.834	1985
1986	---	---	0.017	1.35	3.93	3.22	2.10	0.504	0.044	0.089	---	---	1.40	1986
1987	---	---	0.025	2.21	1.52	2.08	0.175	1.51	0.723	0.421	---	---	1.08	1987
1988	---	---	0.021	2.57	1.71	1.02	7.81	0.626	0.165	0.391	---	---	1.80	1988
1989	---	---	0.016	1.85	6.13	1.76	0.302	0.133	0.268	1.42	---	---	1.49	1989
1990	---	---	0.035	3.16	4.80	3.95	0.443	0.001	0.001	0.002	---	---	1.54	1990
MEAN	---	---	0.015	2.05	3.45	2.12	1.60	0.624	0.588	0.512	---	---	1.37	MEAN

LOCATION - LAT 57 04 40 N DRAINAGE AREA, 491 km²
LONG 115 05 30 W NATURAL FLOW

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	10.1 A ON APR 16	0.014B ON MAR 01	34 600	1976
1977	9.83 AT 13:30 MST ON JUN 07	9.60 ON JUN 07	0.014B ON MAR 27	16 600	1977
1978	10.8 AT 16:30 MST ON MAY 03	10.5 ON MAY 03	0.011B ON MAR 25	40 200	1978
1979	16.9 AT 13:00 MST ON MAY 31	16.4 ON MAY 31	0 ON SEP 05 *	54 800	1979
1980	2.12 AT 12:30 MST ON SEP 25	2.03 ON SEP 25	0 B ON MAR 01	8 840	1980
1981	12.5 AT 04:00 MST ON APR 29	12.1 ON APR 29	0 ON SEP 05	17 100	1981
1982	8.20 AT 10:15 MST ON APR 27	6.44B ON APR 28	0 B ON MAR 01	11 800	1982
1983	30.2 ON JUL 29 *	26.5 E ON JUL 29 *	0.002B ON MAR 01	55 400	1983
1984	18.2 AT 11:30 MST ON MAY 22	17.8 ON MAY 22	0 B ON MAR 01	42 800	1984
1985	8.86 AT 14:00 MST ON MAY 07	8.81 ON MAY 07	0.007B ON MAR 11	17 700	1985
1986	20.6 AT 19:00 MST ON JUN 24	17.6 ON JUN 24	0.002B ON MAR 10	29 700	1986
1987	6.02 AT 09:00 MST ON JUN 10	5.68 ON JUN 10	0.021B ON MAR 28	22 800	1987
1988	21.7 E AT 17:00 MST ON JUL 17	20.5 A ON JUL 17	0.011B ON MAR 01	38 000	1988
1989	13.2 AT 21:00 MST ON MAY 03	13.0 ON MAY 03	0.011B ON MAR 13	31 500	1989
1990	13.8 AT 09:00 MST ON JUN 16	13.3 ON JUN 16	0 ON AUG 05	32 600	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		29 000	MEAN

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.050	---	---	---	1977
1978	---	---	0.036	0.992	0.150	0.024	0.037	0.002	0	0	---	---	0.153	1978
1979	---	---	0	0.463	4.81	0.186	0.313	0.012	0	0	---	---	0.729	1979
1980	---	---	0	0.083	0.001	0	0	0	0	0	---	---	0.010	1980
1981	---	---	0.024	1.52	0.038	0	0	0	0	0	---	---	0.194	1981
1982	---	---	0	0.313	0.052	0.003	0	0.013	0	0.001	---	---	0.047	1982
1983	---	---	0	0.076	0.002	0.086	0.104	0.006	0.001	0	---	---	0.034	1983
1984	---	---	0.059	0.085	0.663	0.081	0.037	0	0.001	0.001	---	---	0.116	1984
1985	---	---	0.011	1.95	0.098	0.048	0.017	0.004	0.022	0.065	---	---	0.271	1985
1986	---	---	0.099	3.70	0.203	0.024	0.019	0.007	0	0	---	---	0.498	1986
1987	---	---	0	0.971	0.121	0.024	0.002	0.003	0	0	---	---	0.138	1987
1988	---	---	0.005	0.018	0.010	0.462	0.115	0.025	0	0	---	---	0.078	1988
1989	---	---	0	0.518	0.165	0.022	0.005	0.012	0.002	0.004	---	---	0.090	1989
1990	---	---	0.200	3.61	0.133	0.591	0.030	0	0	0.003	---	---	0.561	1990
MEAN	---	---	0.033	1.10	0.496	0.119	0.052	0.006	0.002	0.009	---	---	0.225	MEAN

LOCATION - LAT 55 47 29 N
LONG 117 20 10 W
DRAINAGE AREA, 160 km²
NATURAL FLOW

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 22 *	---	1977
1978	4.16 B AT 09:00 MST ON APR 05	3.34 B ON APR 04	0B ON MAR 01	3 240	1978
1979	37.4 A AT 23:00 MST ON MAY 01 *	23.7 A ON MAY 01 *	0B ON MAR 01	15 400	1979
1980	0.404B AT 20:30 MST ON APR 05	0.307B ON APR 05	0B ON MAR 01	220	1980
1981	7.43 AT 09:00 MST ON APR 20	6.06 ON APR 20	0B ON MAR 01	4 100	1981
1982	6.37 AT 03:00 MST ON APR 27	4.24 ON APR 27	0B ON MAR 01	998	1982
1983	2.10 AT 14:30 MST ON JUL 28	1.49 ON JUL 28	0B ON MAR 01	721	1983
1984	11.5 AT 19:30 MST ON MAY 21	7.58 ON MAY 21	0B ON MAR 01	2 470	1984
1985	12.2 AT 03:00 MST ON APR 06	9.44 ON APR 06	0B ON MAR 01	5 750	1985
1986	24.5 AT 22:30 MST ON APR 06	19.6 ON APR 06	0B ON MAR 01	10 500	1986
1987	8.18 B AT 11:30 MST ON APR 11	7.20 B ON APR 11	0B ON MAR 01	2 920	1987
1988	10.4 AT 06:00 MST ON JUN 10	7.95 ON JUN 10	0B ON MAR 01	1 660	1988
1989	3.63 B AT 04:30 MST ON APR 16	2.70 B ON APR 16	0B ON MAR 01	1 900	1989
1990	22.4 B AT 02:00 MST ON APR 03	17.0 B ON APR 03	0B ON MAR 01	11 900	1990
				4 750	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.007	0.039	0.023	0.037	0.007	---	---	---	1966
1967	---	---	---	---	0.061	0.003	0.049	0.052	0.081	0.034	---	---	0.047	1967
1968	---	---	---	---	0.012	0.041	0.087	0.019	0.035	0.001	---	---	0.032	1968
1969	---	---	---	---	0.019	0.041	0.016	0.047	0.026	0.006	---	---	0.026	1969
1970	---	---	---	---	0.050	0.038	0.046	0.060	0.056	0.017	---	---	0.045	1970
1971	---	---	---	0	0.004	0.049	0.111	0.128	0.098	0.045	---	---	0.072	1971
1972	---	---	---	---	0.040	0.146	0.121	0.116	0.064	0.004	---	---	0.081	1972
1973	---	---	---	---	0.081	0.137	0.125	0.107	0.058	0.068	---	---	0.096	1973
1974	---	---	---	---	0	0.062	0.109	0.091	0.138	0.045	---	---	0.074	1974
1975	---	---	---	---	0.005	0.002	0.123	0.212	0.093	0.028	---	---	0.077	1975
1976	---	---	---	---	0.086	0.198	0.229	0.228	0.214	0.055	---	---	0.168	1976
1977	---	---	---	---	0.154	0.228	0.239	0.135	0.126	0.018	---	---	0.150	1977
1978	---	---	---	---	0.007	0.029	0.246	0.123	0.038	0.019	---	---	0.078	1978
1979	---	---	---	---	0.012	0.155	0.145	0.134	0.102	0.020	---	---	0.094	1979
1980	---	---	---	---	0.114	0.049	0.231	0.245	0.197	0.088	---	---	0.154	1980
1981	---	---	---	---	0.037	---	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.043	0.122	0.208	0.218	0.226	0.125	---	---	0.157	1982
1983	---	---	---	---	0.099	0.235	0.279	0.249	0.196	0.097	---	---	0.192	1983
1984	---	---	---	---	0.108	0.359	0.252	0.312	0.242	0.051	---	---	0.220	1984
1985	---	---	---	---	0.010	0.193	0.240	0.164	0.024	0.023	---	---	0.109	1985
1986	---	---	---	---	0.015	0.203	0.200	0.226	0.238	0.107	---	---	0.164	1986
1987	---	---	---	---	0.202	0.365	0.348	0.292	0.329	0.071	---	---	0.267	1987
1988	---	---	---	---	0.370	0.317	0.247	0.203	0.140	0.059	---	---	0.223	1988
1989	---	---	---	---	0.136	0.192	0.205	0.278	0.190	0.041	---	---	0.173	1989
1990	---	---	---	---	0.096	0.204	0.318	0.291	0.287	0.116	---	---	0.218	1990
MEAN	---	---	---	0	0.073	0.141	0.176	0.165	0.135	0.048	---	---	0.127	MEAN

LOCATION - LAT 49 50 38 N
LONG 112 25 46 W
REGULATED

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	0.178 ON JUL 25	0 ON JUN 01 *	---	1966
1967	---	0.200 ON MAY 07	0 ON MAY 01	743	1967
1968	---	0.187 ON JUL 05	0 ON MAY 01	513	1968
1969	---	0.088 ON JUN 23	0 ON MAY 01	412	1969
1970	---	0.258 ON MAY 23	0 ON MAY 01	710	1970
1971	---	0.429 ON AUG 23	0 ON MAY 01	1 150	1971
1972	---	0.248 ON JUL 17	0 ON MAY 01	1 290	1972
1973	---	0.278 ON JUL 02	0 ON MAY 01	1 520	1973
1974	---	0.206 ON SEP 22	0 ON MAY 03	1 170	1974
1975	---	0.538 ON AUG 17	0 ON MAY 18	1 230	1975
1976	---	0.541 ON AUG 06	0 ON MAY 01	2 670	1976
1977	---	0.388 ON JUL 11	0 ON OCT 26	2 380	1977
1978	---	0.391 ON JUL 18	0 ON MAY 20	1 230	1978
1979	---	0.589 ON AUG 24	0 ON MAY 01	1 500	1979
1980	---	0.930 ON JUL 20 *	0 ON MAY 01	2 450	1980
1981	---	---	---	---	1981
1982	---	0.406 ON AUG 25	0E ON MAY 01	2 490	1982
1983	---	0.461 ON JUN 19	0 ON MAY 01	3 060	1983
1984	---	0.601 ON JUN 23	0 ON MAY 01	3 490	1984
1985	---	0.410 ON JUL 25	0 ON MAY 01	1 730	1985
1986	---	0.411 ON JUL 26	0 ON MAY 01	2 610	1986
1987	---	0.658 ON JUL 20	0 ON MAY 12	4 240	1987
1988	---	0.604 ON MAY 14	0 ON OCT 13	3 540	1988
1989	---	0.509 ON SEP 05	0 ON MAY 05	2 760	1989
1990	---	0.485 ON JUL 29	0A ON MAY 01	3 470	1990
				2 020	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO. 05AD022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.032	0.206	1.79	1.26	1.22	1.00	0.331	0.144	---	0.749	1961
1962	---	---	---	0.009	0.337	1.34	1.25	1.54	0.699	0.558	0.154	---	0.740	1962
1963	---	---	---	0.318	1.50	1.30	0.868	1.96	1.57	0.734	0.300	---	1.10	1963
1964	---	---	---	0.039	0.022	0.825	1.29	1.79	1.14	0.922	0.290	---	0.793	1964
1965	---	---	---	0.013	0.326	0.760	0.681	1.58	0.513	0.175	0.170	---	0.530	1965
1966	---	---	---	0	0.373	0.673	1.29	1.53	1.10	0.573	0.090	---	0.708	1966
1967	---	---	---	0	0.291	0.273	0.988	2.14	1.50	0.649	0.007	---	0.735	1967
1968	---	---	---	0	0.346	0.520	0.809	1.13	0.450	0.153	0.001	---	0.440	1968
1969	---	---	---	0.062	0.454	1.27	0.927	1.37	1.25	0.562	0	---	0.739	1969
1970	---	---	---	0	0.360	1.10	1.08	1.53	1.20	0.579	0.136	---	0.751	1970
1971	---	---	---	0	0.514	0.652	1.32	1.46	0.973	0.507	0.057	---	0.690	1971
1972	---	---	---	0	0.168	0.715	0.734	0.647	1.08	0.421	0.034	---	0.475	1972
1973	---	---	---	0	0.665	1.60	1.82	1.71	1.19	0.916	0	---	0.992	1973
1974	---	---	0	0.008	0.007	0.542	1.17	1.16	0.571	0.391	0.042	---	0.490	1974
MEAN	---	---	0	0.034	0.398	0.969	1.11	1.48	1.02	0.534	0.102	---	0.709	MEAN

LOCATION - LAT 49 06 45 N
LONG 113 36 50 W REGULATED

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO. 05AD022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	2.83 ON JUN 09 *	0 ON APR 01 *	15 800	1961
1962	---	2.61 ON OCT 07	0B ON APR 16	15 600	1962
1963	---	2.47 ON AUG 19	0 ON APR 01	23 100	1963
1964	---	2.70 ON AUG 15	0 ON APR 01	16 700	1964
1965	---	1.93 ON AUG 24	0 ON NOV 15	11 200	1965
1966	---	2.06 ON AUG 17	0 ON APR 01	14 900	1966
1967	---	2.39 ON AUG 25	0 ON APR 01	15 500	1967
1968	---	1.54 ON AUG 15	0 ON APR 01	9 270	1968
1969	---	2.06 ON JUN 09	0 ON APR 01	15 600	1969
1970	---	1.95 ON JUN 13	0 ON APR 01	15 800	1970
1971	---	1.73 ON JUL 24	0B ON APR 01	14 500	1971
1972	---	1.72 ON SEP 06	0 ON APR 01	10 000	1972
1973	---	2.17 ON JUL 21	0E ON APR 01	20 900	1973
1974	---	1.50 ON AUG 10	0E ON APR 01	10 300	1974
				14 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.470	0.239	0.195	---	---	---	---	1978
1979	---	---	---	---	---	0.828	0.249	0.073	0.030	0.049	---	---	---	1979
1980	---	---	---	---	---	1.42	0.295	0.111	0.135	0.171	---	---	---	1980
1981	---	---	---	---	---	1.10	0.342	0.066	0.034	0.066	---	---	---	1981
1982	---	---	---	---	---	0.840	0.303	0.047	0.036	0.045	---	---	---	1982
1983	---	---	---	---	0.425	0.383	0.181	0.049	0.026	---	---	---	---	1983
1984	---	---	---	---	---	0.238	0.086	0.022	0.020	0.030	---	---	---	1984
1985	---	---	---	---	---	0.415	0.088	0.084	0.271	0.620	---	---	---	1985
MEAN	---	---	---	---	0.425	0.746	0.251	0.090	0.093	0.164	---	---	---	MEAN

LOCATION - LAT 49 00 50 N, LONG 113 32 20 W DRAINAGE AREA, 37.8 km² NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.68 A ON MAY 23	---	---	1979
1980	---	---	---	---	1980
1981	11.8 AT 15:10 MST ON MAY 15 *	4.28 ON MAY 15 *	---	---	1981
1982	---	1.20 ON JUN 07	---	---	1982
1983	1.79 AT 21:00 MST ON APR 24	0.825 ON MAY 15	---	---	1983
1984	0.906 AT 17:50 MST ON JUN 21	0.530 ON JUN 21	---	---	1984
1985	1.36 AT 10:50 MST ON MAY 30	1.11 ON MAY 30	---	---	1985
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT BEAZER - STATION NO. 05AE037

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	3.61	3.93	2.13	1.10	1.09	0.760	---	---	2.10	1978
1979	---	---	---	---	6.23	3.13	1.05	0.421	0.241	0.245	---	---	1.89	1979
1980	---	---	---	---	5.78	5.38	---	---	---	0.697	---	---	---	1980
1981	---	---	---	---	10.1	5.01	1.72	0.633	0.331	0.292	---	---	3.01	1981
1982	---	---	---	---	---	3.17	1.20	0.363	0.306	0.325	---	---	---	1982
1983	---	---	---	---	2.11	1.36	0.568	0.219	0.149	0.180	---	---	0.763	1983
1984	---	---	---	---	1.06	0.980	0.361	0.167	0.139	0.159	---	---	0.477	1984
1985	---	---	---	1.70	1.95	1.45	0.393	0.433	1.24	2.36	---	---	1.30	1985
MEAN	---	---	---	1.70	4.41	3.05	1.06	0.477	0.499	0.627	---	---	1.59	MEAN

LOCATION - LAT 49 06 45 N, LONG 113 29 00 W DRAINAGE AREA, 175 km² NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK AT BEAZER - STATION NO. 05AE037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	10.8 ON JUN 01	0.530 ON SEP 03	33 400	1978
1979	---	8.99 ON MAY 16	0.190 ON SEP 30	30 000	1979
1980	---	---	---	---	1980
1981	60.0 AT 16:49 MST ON MAY 15 *	29.6 ON MAY 22 *	0.263 ON OCT 31	47 900	1981
1982	---	4.64 ON JUN 07	---	---	1982
1983	3.45 AT 03:45 MST ON MAY 22	3.20 ON MAY 22	0.096 ON SEP 08 *	12 100	1983
1984	3.51 AT 03:20 MST ON JUN 22	2.69 ON JUN 22	0.105 ON AUG 28	7 580	1984
1985	4.42 AT 13:20 MST ON SEP 12	3.63 ON OCT 16	0.236 ON AUG 04	20 700	1985
				25 300	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT CARDSTON - STATION NO. 05AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.557	0.285	---	---	---	1909
1910	---	---	---	0.867	1.72	1.30	0.342	0.195	1.80	1.39	---	---	---	1910
1911	---	---	---	---	10.1	6.87	2.36	2.57	6.91	---	---	---	---	1911
1912	---	---	---	---	---	---	---	0.813	0.725	0.741	0.763	0.466	---	1912
1913	0.257	0.368	1.68	8.29	6.34	5.10	2.14	1.06	0.480	0.914	---	---	---	1913
1914	---	---	---	2.45	3.74	2.42	---	---	---	---	---	---	---	1914
1920	---	---	---	---	---	---	---	0.537	0.258	0.273	0.254	0.139	---	1920
1921	0.138	0.300	0.600	3.16	6.03	3.96	0.994	0.250	0.313	0.303	0.223	0.286	1.38	1921
1922	0.219	0.060	0.088	1.93	6.59	4.67	1.93	0.375	0.234	0.261	0.258	0.224	1.41	1922
1923	0.161	0.225	0.390	1.31	3.85	6.59	1.97	0.840	0.316	0.517	0.311	0.375	1.41	1923
1924	0.292	0.761	0.327	1.30	3.56	7.50	2.03	1.57	0.436	0.483	0.366	0.276	1.57	1924
1925	0.456	0.467	1.67	3.61	5.83	3.76	0.903	0.366	0.595	1.01	0.418	0.570	1.64	1925
1926	0.298	0.323	0.531	1.28	0.871	1.14	0.418	0.203	0.235	1.68	0.618	0.167	0.706	1926
1927	0.490	0.301	1.32	5.52	19.9	17.8	4.09	2.57	4.73	1.99	2.01	1.30	5.33	1927
1928	0.179	0.870	4.30	3.38	4.98	6.30	6.80	1.63	0.924	1.35	1.07	0.592	2.92	1928
1929	0.377	0.329	3.50	2.51	6.72	4.85	1.35	0.243	0.308	0.390	0.431	0.248	1.78	1929
1930	0.166	1.30	2.19	4.52	6.16	3.34	0.848	0.189	0.307	0.331	0.353	0.223	1.66	1930
1931	0.241	0.422	0.431	0.688	1.18	0.746	0.226	0.141	0.267	0.298	0.291	0.161	0.420	1931
1932	0.063	0.215	0.758	2.53	1.47	2.54	0.599	0.200	0.116	0.197	0.418	0.142	0.978	1932
1933	0.133	0.130	0.598	2.03	3.87	3.50	0.616	0.199	0.218	0.436	0.162	0.374	1.13	1933
1934	0.775	1.01	1.23	3.62	2.74	5.91	1.21	0.178	0.280	0.878	1.48	0.625	1.65	1934
1935	1.74	1.18	0.750	2.67	4.46	2.51	0.598	0.084	0.135	0.192	0.165	0.145	1.22	1935
1936	0.153	0.030	1.40	1.82	1.40	1.06	0.055	0.014	0.056	0.159	0.177	0.104	0.536	1936
1937	0.028	0.055	0.459	1.49	2.02	7.44	1.05	0.262	0.169	0.463	0.256	0.209	1.15	1937
1938	0.186	0.225	0.517	2.49	6.25	3.69	1.83	0.280	0.187	0.193	0.156	0.119	1.35	1938
1939	0.139	0.079	0.987	1.16	0.763	1.46	0.359	0.098	0.202	0.360	0.246	0.188	0.504	1939
1940	0.078	0.148	1.61	1.10	3.75	0.807	0.446	0.114	0.485	0.438	0.325	0.269	0.802	1940
1941	0.197	0.115	0.328	1.48	1.37	1.83	1.03	0.290	0.459	0.472	0.309	0.257	0.679	1941
1942	0.230	0.164	0.261	2.07	4.34	8.80	2.42	1.06	0.799	0.626	0.575	0.572	1.83	1942
1943	0.406	0.423	1.26	4.53	6.09	7.33	2.10	0.437	0.297	0.264	0.259	0.148	1.96	1943
1944	0.141	0.102	0.257	0.915	0.828	1.49	0.727	0.237	0.177	0.205	0.154	0.136	0.447	1944
1945	0.182	0.166	0.325	0.596	3.56	7.95	1.52	0.251	0.417	0.402	0.440	0.300	1.34	1945
1946	0.221	0.302	0.630	1.67	2.55	1.95	0.659	0.151	0.270	0.740	0.558	0.659	0.842	1946
1947	0.467	1.69	2.88	5.76	6.96	2.90	0.945	0.398	0.791	0.988	1.05	0.804	2.22	1947
1948	0.500	0.396	0.811	3.73	4.10	20.7	3.84	1.17	0.421	0.334	0.160	0.119	4.03	1948
1949	0.183	0.132	0.637	2.29	4.03	2.40	0.596	0.109	0.263	0.342	0.401	0.211	0.969	1949
1950	0.149	0.393	0.868	3.16	7.47	7.93	2.93	0.744	0.313	0.458	0.378	0.459	2.11	1950
1951	0.300	0.602	1.73	4.85	14.4	15.4	8.75	4.01	6.04	4.66	3.26	1.30	5.46	1951
1952	0.976	1.40	2.45	6.13	3.68	2.12	1.21	0.970	0.629	0.512	0.485	0.415	1.74	1952
1953	0.409	0.414	1.77	4.50	11.9	23.2	2.44	0.863	0.420	0.341	0.391	0.334	3.89	1953
1954	0.207	0.777	0.737	3.28	9.88	5.22	1.77	0.544	0.592	0.862	0.598	0.407	2.08	1954
1955	0.370	0.192	1.72	3.51	12.3	7.94	2.86	0.502	0.306	0.425	0.270	0.220	2.57	1955
1956	0.156	0.148	1.04	2.17	5.72	2.98	2.24	0.734	0.391	0.267	0.294	0.219	1.37	1956
1957	0.219	0.551	0.772	1.74	7.31	3.51	0.686	0.256	0.324	0.772	0.853	0.357	1.45	1957
1958	0.376	0.438	0.587	3.17	4.46	6.33	2.69	0.772	0.404	0.409	0.436	0.407	1.72	1958
1959	0.455	0.427	2.50	2.93	6.97	4.42	1.21	0.415	0.463	0.608	0.556	0.561	1.80	1959
1960	0.344	0.286	2.36	2.56	6.07	2.94	0.787	0.451	0.330	0.345	0.302	0.252	1.42	1960
1961	0.134	0.380	0.525	0.621	3.63	5.40	0.693	0.299	0.569	0.655	0.483	0.282	0.892	1961
1962	0.616	0.681	1.17	3.63	3.55	3.05	0.956	0.333	0.340	0.332	0.203	0.141	1.25	1962
1963	0.114	0.696	0.294	0.802	1.92	1.62	1.53	0.390	0.279	0.257	0.226	0.220	0.859	1963
1964	0.132	0.183	0.232	1.22	10.2	19.8	2.04	0.554	0.738	0.620	0.368	0.232	3.02	1964
1965	0.408	0.614	0.727	5.37	6.18	8.77	3.04	1.01	1.58	1.15	0.854	0.624	2.53	1965
1966	0.403	0.377	2.48	3.32	4.08	9.29	2.20	0.867	0.506	0.769	0.595	0.405	2.11	1966
1967	0.381	0.637	1.41	1.96	14.3	13.6	2.49	0.636	0.357	0.318	0.307	0.236	3.06	1967
1968	0.482	0.554	0.861	1.25	3.60	3.50	1.45	0.962	2.69	2.96	1.46	0.727	1.70	1968
1969	0.684	0.328	1.99	5.62	3.26	7.80	3.90	0.523	0.367	0.544	0.293	0.104	2.12	1969
1970	0.124	0.174	0.387	1.33	5.94	6.92	1.33	0.422	0.458	0.489	0.305	0.148	1.50	1970
1971	0.185	0.515	0.479	2.43	6.03	4.36	1.53	0.383	0.452	0.516	0.495	0.169	1.46	1971
1972	0.191	0.189	4.02	4.04	9.84	6.84	2.89	1.38	0.927	0.628	0.622	0.418	2.67	1972
1973	0.542	0.365	0.682	1.64	3.69	2.04	0.598	0.271	0.308	0.282	0.275	0.173	0.908	1973
1974	0.304	0.158	0.844	2.49	5.37	4.56	1.16	0.580	0.447	0.366	0.407	0.209	1.41	1974
1975	0.220	0.094	0.186	2.35	11.7	18.1	3.38	1.16	0.601	0.750	0.495	1.03	3.34	1975
1976	0.531	0.495	1.28	2.80	5.16	3.01	1.27	0.958	0.367	0.284	0.346	0.299	1.40	1976
1977	0.239	0.359	0.316	1.01	0.705	0.367	0.199	0.345	0.296	0.256	0.138	0.141	0.364	1977
1978	0.128	0.218	1.13	1.62	3.87	3.89	2.09	1.19	1.25	0.759	0.426	0.396	1.42	1978
1979	0.312	0.186	2.83	3.78	7.52	3.27	1.05	0.412	0.213	0.142	0.141	0.132	1.68	1979
1980	0.091	0.371	0.405	2.28	5.79	5.91	1.16	0.803	0.957	0.730	0.672	0.952	1.68	1980
1981	1.01	0.870	1.36	2.34	14.9	10.5	1.99	0.659	0.293	0.411	0.242	0.124	2.91	1981
1982	0.096	0.009	0.509	2.31	2.18	3.43	1.33	0.318	0.266	0.294	0.180	0.184	0.919	1982
1983	0.258	0.220	0.238	0.859	2.00	1.57	0.640	0.163	0.203	0.275	0.168	0.065	0.556	1983
1984	0.345	0.114	0.216	0.733	1.12	1.09	0.409	0.189	0.237	0.344	0.212	0.083	0.424	1984
1985	0.107	0.126	0.774	1.83	1.91	1.48	0.319	0.505	1.51	2.32	1.21	0.629	1.06	1985
1986	0.743	2.23	2.28	4.44	3.59	2.26	0.728	0.152	1.28	1.82	0.795	0.624	1.57	1986
1987	0.506	0.345	0.877	1.47	2.48	1.40	2.91	1.85	0.890	0.577	0.531	0.253	1.34	1987
1988	0.108	0.181	0.525	1.66	2.09	1.01	0.239	0.124	0.174	0.189	0.214	0.124	0.553	1988
1989	0.094	0.128	0.843	1.72	2.63	5.48	1.54	1.10	1.09	0.808	2.44	0.491	1.53	1989
1990	0.498	0.712	1.37	4.80	6.54	4.18	1.46	0.614	0.226	0.440	0.303	0.106	1.77	1990
MEAN	0.356	0.429	1.13	2.66	5.52	5.50	1.66	0.644	0.736	0.689	0.526	0.348	1.68	MEAN

LOCATION - LAT 49 12 00 N LONG 113 17 45 W DRAINAGE AREA, 307 km² REGULATED

LEE CREEK AT CARDSTON - STATION NO. 05AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	3.91 ON MAY 19	---	---	1910
1911	---	39.6 ON MAY 15	---	---	1911
1912	---	---	---	---	1912
1913	---	18.5 ON APR 08	0.176B ON JAN 23	---	1913
1914	---	6.26B ON MAR 29	---	---	1914
1920	---	---	---	---	1920
1921	---	8.95 ON APR 02	0.085B ON NOV 20	43 700	1921
1922	---	10.0 ON APR 29	0.021B ON FEB 22	44 500	1922
1923	---	22.0 E ON JUN 24	0.122B ON JAN 25	44 300	1923
1924	---	26.5 E ON JUN 07	0.187B ON JAN 03	49 700	1924
1925	---	8.58 ON MAY 03	0.227 ON AUG 03	51 900	1925
1926	---	3.54 ON JUN 21	0.110 ON JUL 31	22 300	1926
1927	---	81.8 ON MAY 31	0.110B ON JAN 17	168 000	1927
1928	---	29.7 ON JUL 01	0.439B ON DEC 31	92 300	1928
1929	---	15.5 ON JUN 03	0.110 ON AUG 28	56 100	1929
1930	---	10.7 ON MAY 04	0.068 ON AUG 28	52 300	1930
1931	---	1.81 ON MAY 30	0.040 ON JUL 27	13 200	1931
1932	---	6.82 ON MAY 21	0.011B ON FEB 13	30 900	1932
1933	---	7.08 ON MAY 14	0.062B ON FEB 07	35 700	1933
1934	---	28.6 ON JUN 07	0.085B ON DEC 25	52 200	1934
1935	---	14.2 B ON JAN 25	0.020 ON AUG 28	38 400	1935
1936	---	17.6 B ON MAR 02	0 B ON FEB 18 *	16 900	1936
1937	---	57.2 ON JUN 13	0.023 ON SEP 20	36 400	1937
1938	---	11.0 ON MAY 02	0 B ON DEC 31	42 600	1938
1939	---	3.96 ON MAR 21	0 B ON FEB 13	15 900	1939
1940	---	8.86B ON MAR 16	0.014B ON JAN 23	25 400	1940
1941	---	4.93 ON JUN 02	0.062 ON AUG 23	21 400	1941
1942	---	44.2 ON JUN 05	0.085B ON FEB 10	57 600	1942
1943	---	9.88 ON JUN 09	0.079B ON DEC 19	61 800	1943
1944	---	6.09 ON JUN 27	0.023 ON AUG 09	14 100	1944
1945	---	22.2 ON JUN 06	0.079 ON SEP 04	42 300	1945
1946	---	3.88 ON MAY 28	0.023 ON AUG 23	26 500	1946
1947	---	14.8 ON MAY 03	0.170B ON MAR 05	69 900	1947
1948	---	130 ON JUN 17	0.059B ON DEC 23	127 000	1948
1949	---	13.8 ON MAY 22	0.048 ON AUG 21	30 500	1949
1950	---	13.2 ON MAY 13	0.085B ON JAN 04	66 500	1950
1951	221 AT 17:00 MST ON JUN 24	110 ON JUN 24	0.136B ON JAN 21	172 000	1951
1952	---	12.4 B ON MAR 27	0.255B ON DEC 19	55 100	1952
1953	170 A AT 24:00 MST ON JUN 03	96.8 A ON JUN 04	0.227B ON JAN 07	123 000	1953
1954	---	20.3 ON MAY 19	0.057B ON DEC 26	65 600	1954
1955	---	46.4 ON MAY 18	0.029B ON MAR 04	81 000	1955
1956	---	11.8 A ON JUL 04	0.057B ON OCT 31	43 300	1956
1957	16.1 AT 08:00 MST ON MAY 14	12.5 ON MAY 14	0.113B ON JAN 14	45 800	1957
1958	15.5 AT 07:00 MST ON JUN 10	11.7 ON JUN 10	0.112B ON FEB 07	54 100	1958
1959	17.0 AT 01:00 MST ON MAY 19	13.5 ON MAY 19	0.198B ON JAN 21	56 800	1959
1960	10.6 AT 05:00 MST ON MAY 13	9.15 ON MAY 13	0.085B ON JAN 19	45 000	1960
1961	10.1 AT 04:00 MST ON MAY 31	7.25 ON MAY 31	0.057B ON JAN 04	28 100	1961
1962	10.3 AT 17:00 MST ON JUN 14	8.89 ON JUN 14	0.079B ON DEC 24	39 400	1962
1963	12.3 AT 13:00 MST ON JUN 10	8.33 ON JUN 10	0.057B ON JAN 24	27 100	1963
1964	323 AT 17:00 MST ON JUN 08 *	151 ON JUN 08 *	0.057B ON MAR 24	95 500	1964
1965	36.0 AT 13:00 MST ON JUN 17	22.5 ON JUN 17	0.176B ON DEC 29	79 700	1965
1966	68.5 AT 19:00 MST ON JUN 04	45.9 ON JUN 04	0.193B ON JAN 02	66 500	1966
1967	47.3 AT 07:30 MST ON JUN 09	34.8 ON JUN 09	0.130B ON DEC 08	96 400	1967
1968	13.3 AT 03:20 MST ON MAY 23	10.0 ON SEP 25	0.108B ON JAN 11	53 700	1968
1969	53.2 AT 09:25 MST ON JUN 26	38.2 ON JUN 26	0.059B ON DEC 25	66 800	1969
1970	54.1 AT 18:20 MST ON JUN 13	27.4 ON JUN 13	0.045B ON DEC 24	47 400	1970
1971	13.8 AT 13:00 MST ON MAY 06	11.5 ON MAY 06	0.079B ON JAN 01	46 000	1971
1972	24.1 B AT 17:10 MST ON MAR 10	17.7 ON MAY 26	0.139B ON JAN 04	84 600	1972
1973	7.08 AT 06:30 MST ON MAY 18	6.26 ON MAY 18	0.127B ON DEC 28	28 600	1973
1974	15.3 AT 22:10 MST ON APR 30	12.1 ON MAY 01	0.079B ON DEC 31	44 500	1974
1975	226 AT 03:00 MST ON JUN 20	146 ON JUN 20	0.025B ON FEB 07	105 000	1975
1976	12.7 AT 00:00 MST ON MAR 18	8.18 ON MAY 06	0.224 ON OCT 14	44 300	1976
1977	2.24B AT 20:30 MST ON APR 06	1.99 ON APR 09	0.051B ON NOV 21	11 500	1977
1978	22.3 AT 01:30 MST ON JUN 01	13.8 ON JUN 01	0.028B ON FEB 16	44 800	1978
1979	11.6 AT 02:25 MST ON MAY 17	10.1 ON MAY 16	0.051 ON OCT 01	52 800	1979
1980	58.3 AT 15:10 MST ON MAY 26	46.6 ON MAY 26	0.019B ON JAN 12	53 000	1980
1981	144 AT 18:30 MST ON MAY 22	62.4 ON MAY 22	0.030B ON DEC 30	91 600	1981
1982	---	10.0 B ON APR 13	0.001B ON JAN 08	29 000	1982
1983	---	3.56 ON MAY 25	0.013B ON DEC 24	17 500	1983
1984	---	3.62 ON JUN 22	0.040B ON DEC 21	13 400	1984
1985	5.39 AT 17:50 MST ON JUL 23	4.62A ON SEP 12	0.020B ON FEB 10	33 500	1985
1986	---	20.0 B ON FEB 24	0.051 ON AUG 19	49 500	1986
1987	28.2 AT 21:20 MST ON JUL 22	14.6 ON JUL 23	0.100B ON DEC 30	42 200	1987
1988	5.76 AT 22:55 MST ON MAY 07	4.92 ON MAY 08	0.010B ON JAN 13	17 500	1988
1989	31.5 AT 09:00 MST ON JUN 11	25.4 ON JUN 11	0.040B ON JAN 05	48 200	1989
1990	20.0 AT 20:20 MST ON MAY 29	15.1 ON MAY 29	0.029B ON DEC 13	55 900	1990
				52 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT LAYTON'S RANCH - STATION NO. 05AE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.32	1.99	1.01	0.563	0.871	1.01	0.289	---	1913
1914	0.437	0.262	0.592	2.33	3.59	2.65	0.966	0.569	0.474	1.83	1.69	0.468	1.32	1914
1915	0.491	0.387	0.736	1.77	4.95	10.2	4.20	2.60	2.02	2.58	1.59	1.02	2.72	1915
1916	0.500	1.72	2.67	3.69	7.08	13.4	5.05	1.37	0.933	0.994	1.01	0.667	3.25	1916
1917	0.456	0.484	0.480	1.65	8.54	9.73	2.16	0.531	0.412	0.436	0.459	0.345	2.14	1917
1918	1.11	0.363	0.777	2.17	3.23	1.96	0.630	0.322	0.364	0.385	0.207	0.199	0.980	1918
1919	0.302	0.287	0.387	1.18	1.73	0.896	0.183	0.121	0.093	0.249	0.307	0.154	0.491	1919
1920	0.309	0.316	0.447	2.43	8.45	5.28	1.88	---	---	---	---	---	---	1920
MEAN	0.515	0.546	0.870	2.17	5.37	6.05	2.14	0.932	0.694	1.05	0.896	0.449	1.82	MEAN

LOCATION - LAT 49 08 51 N LONG 113 23 14 W DRAINAGE AREA, 230 km²
NATURAL FLOW

LEE CREEK AT LAYTON'S RANCH - STATION NO. 05AE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	5.04 ON OCT 16	0.147B ON FEB 21	41 800	1914
1915	---	15.9 ON JUN 15	0.263B ON MAR 05	85 800	1915
1916	---	25.9 ON JUN 29 *	0.241B ON JAN 31	103 000	1916
1917	---	19.0 ON MAY 27	0.113B ON DEC 03	67 600	1917
1918	---	3.94 ON MAY 17	0.105B ON NOV 24	30 900	1918
1919	---	2.12 ON APR 29	0.057 ON AUG 24 *	15 500	1919
1920	---	17.2 ON MAY 17	---	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		57 400	MEAN

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	5.51	3.26	1.20	0.458	0.219	0.233	0.202	0.069	1.81	1981
1982	---	---	---	---	1.54	2.51	0.942	0.228	0.224	0.240	---	---	0.942	1982
1983	---	---	---	---	1.64	1.17	0.547	0.260	0.166	0.145	---	---	0.654	1983
1984	---	---	---	---	0.851	0.748	---	---	---	---	---	---	---	1984
1985	---	---	---	---	---	1.29	0.375	0.427	0.905	1.84	---	---	---	1985
1986	---	---	1.31	2.12	2.19	1.51	0.500	0.199	0.457	0.912	---	---	0.962	1986
1987	---	---	0.781	1.81	1.56	0.935	---	1.34	0.694	---	---	---	---	1987
1988	---	---	---	1.09	1.65	0.838	0.285	0.149	0.134	0.119	---	---	0.529	1988
1989	---	---	---	---	2.10	3.70	1.20	---	0.836	0.576	---	---	---	1989
1990	---	---	---	2.81	3.43	2.78	0.897	0.447	0.187	0.272	---	---	1.33	1990
MEAN	---	---	1.05	1.96	2.27	1.87	0.743	0.439	0.425	0.542	0.202	0.069	1.04	MEAN

LOCATION - LAT 49 01 30 N LONG 113 02 30 W DRAINAGE AREA, 94.5 km²
NATURAL FLOW

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	12.5 ON MAY 15 *	0.169 ON SEP 30	28 800	1981
1982	---	3.15 ON JUN 30	0.154 ON SEP 09	15 000	1982
1983	2.74 AT 06:30 MST ON MAY 26	2.54 ON MAY 26	0.112 ON OCT 27	10 400	1983
1984	---	---	---	---	1984
1985	3.13 AT 08:40 MST ON SEP 12	2.74 ON OCT 16	---	---	1985
1986	---	2.96 ON MAY 30	0.138 ON AUG 29	15 300	1986
1987	---	---	---	---	1987
1988	3.66 AT 14:10 MST ON MAY 07	3.29 ON MAY 07	0.090 ON SEP 09 *	8 410	1988
1989	11.8 AT 04:02 MST ON JUN 11 *	9.64 ON JUN 11	0.380 ON OCT 31	---	1989
1990	7.87 AT 03:15 MST ON MAY 29	6.55 ON MAY 29	0.161 ON SEP 17	21 200	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		16 500	MEAN

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	0.991	0.616	0.238	0.268	0.263	0.185	0.180	---	1941
1942	0.158	0.128	0.168	1.14	3.30	5.79	1.96	0.904	0.711	0.529	0.455	0.342	1.30	1942
1943	0.269	0.278	0.403	3.17	4.85	6.09	2.04	0.520	0.317	0.306	0.263	0.131	1.55	1943
1944	0.110	0.086	0.127	0.486	---	---	0.693	0.349	0.240	0.225	0.155	0.113	---	1944
1945	0.142	0.142	0.209	0.357	2.76	5.93	1.35	0.330	0.320	---	---	---	---	1945
MEAN	0.170	0.159	0.227	1.29	3.64	4.70	1.33	0.468	0.371	0.331	0.265	0.192	1.43	MEAN

LOCATION - LAT 49 03 50 N LONG 113 31 00 W DRAINAGE AREA, 109 km²
NATURAL FLOW

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	---	16.3 ON JUN 06 *	0.085B ON FEB 06	41 000	1942
1943	---	9.23 ON JUN 13	0.059B ON DEC 22 *	49 000	1943
1944	---	---	0.062B ON MAR 03	---	1944
1945	---	11.2 ON JUN 07	---	---	1945
				45 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESSER SLAVE RIVER ABOVE OTAUWAU RIVER - STATION NO. 07BK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	48.9	44.3	41.9	---	---	---	1922
MEAN	---	---	---	---	---	---	---	48.9	44.3	41.9	---	---	---	MEAN

LOCATION - LAT 55 16 40 N LONG 114 24 30 W DRAINAGE AREA, 14 500 km^2 NATURAL FLOW

LESSER SLAVE RIVER ABOVE OTAUWAU RIVER - STATION NO. 07BK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	---	---	1922
				---	MEAN

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	88.6	82.4	73.4	67.2	---	---	---	---	---	1963
1964	---	31.8	31.0	41.7	52.8	55.3	61.4	82.9	86.1	80.8	69.0	43.8	---	1964
1965	41.6	41.8	45.0	66.1	105	107	108	98.7	101	92.1	77.6	49.2	78.1	1965
1966	44.1	51.2	59.6	73.4	79.8	78.4	68.2	63.2	59.1	53.8	39.8	33.1	58.7	1966
1967	30.1	27.9	27.7	37.5	57.4	57.3	52.2	44.3	38.1	32.0	20.6	16.5	36.6	1967
1968	16.7	15.9	19.7	28.5	31.5	36.6	36.2	33.7	32.7	28.8	17.3	14.9	26.1	1968
1969	14.4	13.0	14.7	27.7	31.6	29.1	26.4	23.5	25.5	25.1	18.9	18.1	22.4	1969
1970	15.0	15.3	17.4	28.7	38.1	41.6	54.4	44.0	41.4	37.4	30.4	20.9	32.1	1970
1971	17.8	18.0	18.8	36.5	49.3	57.8	90.3	84.2	73.8	65.3	46.3	33.8	49.5	1971
1972	30.7	30.4	37.1	52.3	69.9	73.7	76.5	68.6	60.5	56.3	42.2	33.7	52.7	1972
1973	31.9	31.2	35.6	45.5	60.6	77.2	77.3	71.6	68.2	64.4	52.5	37.4	54.6	1973
1974	32.8	34.8	35.0	57.6	97.7	92.3	98.8	91.8	87.4	82.8	68.1	44.6	68.8	1974
1975	44.6	44.6	47.2	55.7	67.1	68.7	82.2	75.5	79.0	69.3	60.4	37.3	61.0	1975
1976	38.6	39.3	42.6	61.1	68.5	72.3	90.0	91.8	103	94.2	78.8	52.9	69.5	1976
1977	43.2	51.2	57.0	82.1	101	117	121	112	106	96.3	77.5	49.7	84.6	1977
1978	46.8	44.9	58.7	74.1	87.3	88.4	82.7	72.4	75.2	73.7	58.2	42.0	67.1	1978
1979	33.3	31.5	42.6	54.1	78.9	101	132	119	108	97.6	87.1	57.1	78.7	1979
1980	42.2	44.2	57.0	65.0	65.6	67.9	65.3	62.6	58.5	54.4	48.0	29.1	55.0	1980
1981	27.8	29.6	40.6	49.3	56.5	57.9	53.7	46.0	36.8	31.4	28.6	16.6	39.6	1981
1982	14.1	14.6	15.3	24.2	35.7	35.2	36.3	47.7	41.9	35.8	22.7	19.9	28.7	1982
1983	17.6	20.3	25.5	28.6	29.6	39.4	76.9	87.4	80.6	68.4	52.7	32.8	46.8	1983
1984	36.2	47.0	44.5	44.6	47.5	73.1	67.6	58.3	54.9	48.1	34.3	28.6	48.7	1984
1985	26.6	24.6	27.1	41.7	60.1	63.4	57.3	45.6	42.6	45.6	34.3	29.1	42.3	1985
1986	27.7	25.7	26.1	36.9	57.3	63.9	72.1	74.7	58.7	56.7	43.6	35.5	48.4	1986
1987	32.6	32.7	30.6	41.7	52.0	53.4	40.5	41.2	36.7	28.2	19.4	13.9	35.3	1987
1988	13.4	13.4	14.6	20.2	27.5	53.1	80.6	73.5	58.1	45.6	34.7	30.3	38.8	1988
MEAN	30.0	31.0	34.8	47.0	61.7	67.1	72.4	68.5	64.6	58.6	46.5	32.7	51.0	MEAN

LOCATION - LAT 55 17 39 N LONG 114 35 26 W DRAINAGE AREA, 14 400 km^2 NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	95.1 AT 01:00 MST ON SEP 06	94.0 ON SEP 05	---	---	1964
1965	125 AT 21:00 MST ON JUN 29	123 ON JUN 29	36.8 B ON JAN 01	2 460 000	1965
1966	101 AT 03:00 MST ON OCT 02	89.5 ON JUN 02	30.3 B ON NOV 30	1 850 000	1966
1967	66.3 AT 19:00 MST ON MAY 19	65.7 ON MAY 19	4.81B ON NOV 29 *	1 150 000	1967
1968	64.0 AT 20:00 MST ON JUN 13	56.9 ON JUN 14	7.93B ON NOV 19	824 000	1968
1969	45.3 AT 13:00 MST ON APR 30	43.6 ON APR 30	12.5 B ON FEB 11	706 000	1969
1970	---	72.8 ON JUL 01	12.2 B ON JAN 06	1 010 000	1970
1971	93.7 AT 18:00 MST ON JUL 07	93.7 ON JUL 05	17.3 B ON JAN 15	1 560 000	1971
1972	90.6 AT 23:00 MST ON JUN 19	90.0 ON JUN 19	28.9 B ON DEC 25	1 670 000	1972
1973	92.3 AT 19:30 MST ON JUN 18	92.0 ON JUN 18	26.7 B ON JAN 03	1 720 000	1973
1974	114 AT 02:00 MST ON JUL 15	114 ON JUL 15	30.3 B ON FEB 14	2 170 000	1974
1975	98.5 AT 20:00 MST ON JUL 19	97.7 ON JUL 19	32.6 B ON DEC 14	1 920 000	1975
1976	109 AT 03:00 MST ON AUG 28	109 ON AUG 28	31.1 B ON MAR 02	2 200 000	1976
1977	128 AT 00:00 MST ON JUL 20	128 ON JUL 18	36.5 B ON JAN 29	2 670 000	1977
1978	96.0 AT 17:00 MST ON MAY 01	96.0 ON MAY 01	36.0 B ON DEC 30	2 120 000	1978
1979	146 AT 14:00 MST ON JUL 17 *	146 ON JUL 17 *	30.8 B ON FEB 18	2 480 000	1979
1980	80.0 AT 10:00 MST ON AUG 06	77.4 ON AUG 06	17.5 B ON DEC 19	1 740 000	1980
1981	63.0 AT 15:30 MST ON JUL 08	62.4 ON JUN 22	13.5 B ON DEC 30	1 250 000	1981
1982	64.9 AT 23:43 MST ON AUG 04	63.0 ON AUG 05	13.2 B ON JAN 02	905 000	1982
1983	120 AT 15:00 MST ON JUL 29	119 ON JUL 29	12.9 B ON JAN 11	1 480 000	1983
1984	93.4 AT 16:00 MST ON JUN 08	92.6 ON JUN 08	23.9 B ON DEC 12	1 540 000	1984
1985	75.6 AT 12:00 MST ON MAY 06	74.8 ON MAY 06	20.5 B ON JAN 20	1 330 000	1985
1986	98.9 AT 19:30 MST ON JUL 18	96.0 ON JUL 19	22.7 B ON FEB 24	1 530 000	1986
1987	70.4 AT 07:00 MST ON JUN 02	68.0 ON JUN 02	13.0 B ON DEC 16	1 110 000	1987
1988	102 AT 09:00 MST ON JUL 11	98.9 ON JUL 11	11.1 B ON FEB 10	1 230 000	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 610 000	MEAN

LESSER SLAVE RIVER AT SAULTEAUX LANDING - STATION NO. 07BK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	1922
MEAN	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	MEAN

LOCATION - LAT 55 16 00 N LONG 114 18 50 W DRAINAGE AREA, 15 100 km^2 NATURAL FLOW

LESSER SLAVE RIVER AT SAULTEAUX LANDING - STATION NO. 07BK003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	---	---	1922
				---	MEAN

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	62.3	61.8	58.5	50.1	43.0	26.7	18.9	---	1915
1916	17.2	20.5	22.6	30.0	39.2	44.6	49.2	46.2	36.5	30.6	26.6	20.3	32.0	1916
1917	17.7	17.1	15.9	22.3	33.3	47.5	49.1	44.9	38.7	36.7	31.4	16.8	31.0	1917
1918	19.3	16.8	18.3	18.8	25.5	28.1	30.4	33.3	31.0	29.8	23.8	17.9	24.5	1918
1919	18.6	17.0	17.4	19.9	24.6	36.7	54.1	55.3	45.1	40.7	30.9	29.0	32.5	1919
1920	27.8	26.2	27.3	30.2	42.9	75.7	106	99.1	91.9	89.6	68.0	44.0	60.8	1920
1921	42.5	42.1	36.9	58.6	61.7	68.3	73.0	73.0	64.3	50.4	37.6	41.6	56.8	1921
1922	29.9	28.6	32.6	36.4	54.5	60.5	51.4	51.7	42.9	37.6	29.4	21.9	39.8	1922
1923	19.7	19.1	22.5	25.5	33.0	39.3	43.6	41.6	34.2	27.1	23.5	16.8	28.8	1923
1924	12.9	18.5	20.5	20.7	20.7	21.8	22.5	24.7	27.9	26.0	23.6	21.7	21.8	1924
1925	19.5	18.4	21.7	26.7	39.8	47.1	44.1	38.1	35.3	30.0	27.9	24.8	31.2	1925
1926	24.2	24.6	23.6	24.4	33.5	53.4	55.7	43.8	40.9	42.0	37.9	28.2	36.1	1926
1927	20.6	17.5	23.6	29.2	39.4	55.0	95.9	101	89.6	81.0	52.1	37.1	53.8	1927
1928	43.7	51.7	57.6	60.4	67.7	71.5	70.4	61.8	52.3	46.7	33.4	27.3	53.7	1928
1929	24.7	21.4	21.6	25.8	44.8	59.7	50.1	48.4	46.2	44.3	35.0	22.6	37.1	1929
1930	23.9	22.4	22.5	34.7	49.3	88.3	106	92.3	80.5	68.6	56.1	49.6	58.1	1930
1931	34.5	26.1	39.7	42.3	41.1	49.5	55.1	49.4	46.7	41.4	---	---	---	1931
1935	---	---	---	---	---	156	219	214	183	140	94.0	79.3	---	1935
1936	69.8	61.0	54.9	53.7	96.8	112	125	116	105	101	91.6	81.0	89.1	1936
1937	55.5	48.7	47.7	65.1	81.3	88.2	78.3	70.7	67.7	56.9	47.7	38.3	62.2	1937
1938	33.9	33.0	45.5	49.6	49.8	43.7	40.0	34.1	30.1	26.9	23.9	22.4	36.1	1938
1939	19.9	19.2	21.1	25.8	28.7	28.7	27.7	24.5	21.5	20.0	21.8	21.2	23.3	1939
1940	14.0	13.3	16.5	19.7	25.9	31.8	30.3	27.6	22.4	---	---	---	---	1940
1960	---	---	---	---	---	---	---	29.6	26.7	22.1	15.0	13.7	---	1960
1961	15.3	13.3	14.3	18.9	23.0	34.8	31.7	41.1	35.5	32.8	10.6	13.8	23.8	1961
1962	13.8	14.0	14.2	17.3	39.4	63.1	63.4	57.1	44.9	---	---	---	---	1962
1988	---	---	---	---	---	34.6	---	66.0	55.7	41.9	32.0	29.9	---	1988
1989	26.0	24.0	23.0	23.2	33.8	48.8	53.1	64.5	61.8	53.6	43.5	42.8	41.6	1989
1990	39.9	36.1	32.8	34.7	44.2	55.9	59.4	47.6	39.0	29.0	19.8	20.0	38.2	1990
MEAN	27.4	26.4	28.5	32.5	43.0	57.4	64.7	60.5	53.4	47.8	37.1	30.8	41.5	MEAN

LOCATION - LAT 55 18 19 N DRAINAGE AREA, 13 600 km²
LONG 114 45 08 W NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	55.5 ON AUG 08	15.8 B ON JAN 04	1 010 000	1916
1917	---	62.0 ON JUL 19	6.76B ON JAN 11	978 000	1917
1918	---	39.4 ON AUG 24	15.3 B ON FEB 15	772 000	1918
1919	---	78.4 ON JUL 17	16.4 B ON FEB 16	1 030 000	1919
1920	---	119 ON JUN 25	24.1 B ON JAN 30	1 920 000	1920
1921	---	81.0 ON AUG 02	32.8 B ON NOV 24	1 790 000	1921
1922	---	67.4 ON MAY 26	20.1 B ON DEC 16	1 260 000	1922
1923	---	51.5 ON JUL 29	5.30B ON JAN 17 *	909 000	1923
1924	---	33.4 ON SEP 02	11.4 B ON JAN 26	689 000	1924
1925	---	51.0 ON JUL 01	18.2 B ON JAN 30	983 000	1925
1926	---	70.5 ON JUN 27	22.2 ON APR 10	1 140 000	1926
1927	---	110 ON JUL 26	16.5 B ON FEB 17	1 700 000	1927
1928	---	75.9 ON JUL 15	23.7 ON NOV 05	1 700 000	1928
1929	---	69.1 ON JUN 19	19.7 B ON MAR 07	1 170 000	1929
1930	---	112 ON JUL 15	19.0 B ON FEB 28	1 830 000	1930
1931	---	68.0 ON JUN 24	---	---	1931
1935	---	240 A ON JUL 15 *	---	---	1935
1936	---	130 ON JUL 26	49.8 B ON MAR 31	2 820 000	1936
1937	---	91.5 ON JUN 02	35.7 B ON DEC 31	1 960 000	1937
1938	---	51.3 ON APR 29	20.7 B ON DEC 31	1 140 000	1938
1939	---	30.9 ON MAY 22	18.0 B ON DEC 31	736 000	1939
1940	---	32.6 ON JUN 14	---	---	1940
1960	---	---	---	---	1960
1961	---	49.3 ON AUG 06	7.76B ON NOV 23	752 000	1961
1962	---	81.3 ON JUL 04	---	---	1962
1988	74.5 AT 14:30 MST ON JUL 22 *	70.8 ON JUL 22	---	---	1988
1989	70.1 AT 17:30 MST ON JUL 20	66.5 ON SEP 07	21.5 ON APR 14	1 310 000	1989
1990	68.4 AT 15:30 MST ON JUL 13	65.6 ON JUL 13	9.50 ON NOV 06	1 210 000	1990
				1 310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO. 05AC011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	0	0.797	0.939	5.82	2.42	0.835	1.12	0	---	1.51	1932
1934	---	---	---	0.062	4.75	1.42	4.39	3.52	0.843	1.04	0	---	2.03	1934
1935	---	---	---	0	0.820	6.33	6.06	2.72	2.01	3.11	0	---	2.64	1935
1936	---	---	---	0	0.993	4.37	7.85	2.00	1.93	1.17	0	---	2.30	1936
1937	---	---	---	0.200	2.20	1.95	---	2.68	1.90	1.18	0	---	---	1937
1938	---	---	---	0	0.649	4.31	7.88	1.69	1.52	1.57	0	---	2.21	1938
1939	---	---	---	0.123	3.25	0.640	4.80	4.03	1.79	1.66	0	---	2.06	1939
1940	---	---	---	0	0.942	5.75	5.36	2.68	0.950	0.875	0	---	2.00	1940
1941	---	---	---	0	2.24	3.33	5.94	2.42	0.783	0.794	0	---	1.95	1941
1942	---	---	---	0.629	0.695	0.041	0.263	2.00	0.520	0.528	0	---	0.589	1942
1943	---	---	---	0	0.756	4.86	7.41	4.27	1.74	2.82	0	---	2.75	1943
1944	---	---	---	0.650	2.20	2.50	5.72	3.44	2.18	1.62	0	---	2.30	1944
1945	---	---	---	0	0.558	0.588	5.02	5.15	1.34	0.945	0	---	1.72	1945
1946	---	---	---	0	2.93	0.602	4.86	3.91	1.69	0.832	0	---	1.87	1946
1947	---	---	---	0	0.680	0.629	6.19	2.57	1.04	1.36	0	---	1.58	1947
1948	---	---	---	0	0.008	0.252	3.56	2.77	2.40	1.95	0	---	1.38	1948
1949	---	---	---	0.168	1.65	2.14	6.95	3.63	2.82	2.05	0	---	2.44	1949
1950	---	---	---	0	0.499	5.04	5.04	3.84	3.35	1.32	0	---	2.39	1950
1951	---	---	---	0	0	0.123	0.821	2.81	0.034	0.466	0	---	0.539	1951
1952	---	---	---	0	0.298	1.08	1.81	2.32	1.16	1.18	0	---	0.987	1952
1953	---	---	---	0	0.425	0.071	2.70	4.41	1.78	1.37	0	---	1.36	1953
1954	---	---	---	0	0.831	3.80	5.69	3.16	0.511	0.541	0	---	1.83	1954
1955	---	---	---	0	0.278	1.17	0.712	4.84	2.42	0.756	0	---	1.28	1955
1956	---	---	---	0	0.502	2.35	1.45	2.98	1.01	0.994	0	---	1.17	1956
1957	---	---	---	0	1.61	1.83	5.70	3.55	2.56	0.935	0	---	2.04	1957
1958	---	---	---	0	1.19	2.44	2.58	3.61	2.47	2.19	0	---	1.82	1958
1959	---	---	---	0	0.593	1.97	3.60	3.27	1.46	0.941	0	---	1.49	1959
1960	---	---	---	0	0.658	2.70	7.93	3.21	2.77	2.76	0	---	2.52	1960
1961	---	---	---	0	2.45	7.90	6.76	4.04	3.07	1.24	0	---	3.17	1961
1962	---	---	---	0	2.59	3.69	5.26	3.68	1.84	3.18	0	---	2.51	1962
1963	---	---	---	0	4.07	3.39	0.194	2.74	1.95	2.78	0	---	1.90	1963
1964	---	---	---	0	0.643	2.58	5.48	4.48	1.82	2.88	0.873	---	2.36	1964
1965	---	---	---	0	0.323	1.27	0.824	2.54	0.874	0.898	0	---	0.846	1965
1966	---	---	---	0	0.741	0.732	0.825	1.65	1.77	1.25	0	---	0.875	1966
1967	---	---	---	0	0	0.179	4.51	3.91	2.77	2.60	0	---	1.76	1967
1968	---	---	---	0	1.20	2.86	3.67	2.03	0.535	0.346	0	---	1.14	1968
1969	---	---	---	0	0.993	1.12	0.712	2.28	1.66	0.784	0	---	0.947	1969
1970	---	---	---	0.103	1.47	2.02	4.03	3.19	1.55	1.60	0	---	1.76	1970
1971	---	---	---	0	0.862	2.17	5.04	3.42	1.34	1.09	0	---	1.75	1971
1972	---	---	---	0	0.300	2.96	2.67	3.03	1.05	0.953	0	---	1.38	1972
1973	---	---	---	0.106	4.38	4.38	9.85	5.28	1.93	2.54	0	---	3.59	1973
1976	---	---	---	---	---	6.49	8.90	2.07	1.65	---	---	---	---	1976
MEAN	---	---	---	0.050	1.28	2.50	4.51	3.20	1.66	1.47	0.021	---	1.83	MEAN

LOCATION - LAT 49 53 00 N
LONG 113 12 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO. 05AC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	8.61 ON JUL 22	0 ON APR 01 *	31 800	1932
1934	---	10.1 ON JUN 01	0 ON APR 01	42 700	1934
1935	---	11.3 ON JUN 28	0 ON APR 01	55 700	1935
1936	---	13.7 ON JUL 09 *	0 ON APR 01	48 500	1936
1937	---	---	---	---	1937
1938	---	11.2 ON JUN 22	0 ON APR 01	46 700	1938
1939	---	9.91 ON JUL 27	0 ON APR 01	43 400	1939
1940	---	10.8 ON JUN 21	0 ON APR 01	43 800	1940
1941	---	11.6 ON JUN 28	0 ON APR 01	41 200	1941
1942	---	4.79 ON AUG 21	0 ON APR 01	12 400	1942
1943	---	10.8 ON JUL 09	0 ON APR 01	57 900	1943
1944	---	9.06 ON JUL 20	0 ON APR 01	48 600	1944
1945	---	13.0 ON JUL 20	0 ON APR 01	36 300	1945
1946	---	9.32 ON JUL 27	0 ON APR 01	39 500	1946
1947	---	9.91 ON JUL 18	0 ON APR 01	33 300	1947
1948	---	6.94 ON JUL 23	0 ON APR 01	29 100	1948
1949	---	9.71 ON JUL 09	0 ON APR 01	51 500	1949
1950	---	8.92 ON JUN 21	0 ON APR 01	50 400	1950
1951	---	6.40 ON AUG 09	0 ON APR 01	11 400	1951
1952	---	7.08 ON AUG 06	0 ON APR 01	20 800	1952
1953	---	7.56 ON JUL 23	0 ON APR 01	28 600	1953
1954	---	9.49 ON JUN 26	0 ON APR 01	38 600	1954
1955	---	7.84 ON AUG 11	0 ON APR 01	26 900	1955
1956	---	8.10 ON JUN 14	0 ON APR 01	24 600	1956
1957	---	10.4 ON JUL 20	0 ON APR 01	43 000	1957
1958	---	5.97 ON AUG 08	0 ON APR 01	38 400	1958
1959	---	7.62 ON JUL 19	0 ON APR 01	31 400	1959
1960	---	10.7 ON JUL 10	0 ON APR 01	53 200	1960
1961	---	10.4 ON JUN 07	0 ON APR 01	66 700	1961
1962	---	8.52 ON JUL 24	0 ON APR 01	53 000	1962
1963	---	7.76 ON JUN 21	0 ON APR 01	40 100	1963
1964	---	8.13 ON JUL 17	0 ON APR 01	49 800	1964
1965	---	4.59 ON AUG 04	0 ON APR 01	17 800	1965
1966	---	4.22 ON AUG 04	0 ON APR 01	18 400	1966
1967	---	9.26 ON JUL 28	0 ON APR 01	37 200	1967
1968	---	5.18 ON JUL 28	0 ON APR 01	28 200	1968
1969	---	3.54 ON AUG 01	0 ON APR 01	20 000	1969
1970	---	6.57 ON JUL 21	0 ON APR 01	37 000	1970
1971	---	7.33 ON JUL 21	0 ON APR 01	37 000	1971
1972	---	4.39 ON JUN 10	0 ON APR 01	29 000	1972
1973	---	12.7 ON JUL 25	0 ON APR 01	75 700	1973
1976	---	11.2 ON JUL 20	---	---	1976
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 500	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	2.59	---	---	---	---	1924
1925	---	---	---	0	1.25	5.39	10.5	2.20	0.733	1.08	0	---	2.79	1925
1926	---	---	---	0.031	3.56	7.94	9.71	4.20	0.882	0.902	0	---	3.17	1926
1927	---	---	---	0.003	0.443	0.954	2.32	2.49	1.01	0.775	0	---	1.01	1927
1928	---	---	---	0	2.91	4.93	0.521	1.60	1.50	3.53	0	---	1.89	1928
1929	---	---	---	0	0.508	1.37	10.1	3.37	2.51	10.6	0	---	3.60	1929
1930	---	---	---	0	1.64	11.6	9.23	4.14	2.14	2.43	0	---	3.90	1930
1932	---	---	---	0	0.945	1.92	9.22	4.22	1.90	2.13	0	---	2.57	1932
1934	---	---	---	0.079	7.13	2.92	6.67	6.35	2.23	2.64	0	---	3.54	1934
1935	---	---	---	0	0.557	9.06	7.63	4.48	1.00	4.31	0	---	3.64	1935
1936	---	---	---	0	0.724	6.66	9.13	3.42	1.21	1.41	0.232	---	3.11	1936
1937	---	---	---	0	3.52	6.87	10.8	4.43	4.91	2.56	0	---	4.14	1937
1938	---	---	---	0	0.869	10.9	9.96	3.91	1.21	1.09	0	---	4.00	1938
1939	---	---	---	0	4.68	1.46	7.47	6.08	3.84	3.25	0	---	3.38	1939
1940	---	---	---	0	0.565	7.95	8.86	4.10	2.31	1.83	0	---	3.21	1940
1941	---	---	---	0.178	4.08	5.71	10.7	5.34	1.85	0	0	---	3.51	1941
1942	---	---	---	1.15	1.79	0.862	6.47	3.60	1.74	1.44	0	---	2.15	1942
1943	---	---	---	0	1.92	8.40	11.0	7.22	4.45	3.85	0	---	4.62	1943
1944	---	---	---	0	4.39	6.53	11.0	6.18	5.29	2.95	0	---	4.55	1944
1945	---	---	---	0	1.07	1.99	7.94	8.73	3.75	1.76	0	---	3.18	1945
1946	---	---	---	0	5.39	2.46	10.0	6.98	3.26	2.24	0	---	3.80	1946
1947	---	---	---	0	1.26	2.21	10.6	4.75	3.33	1.28	0	---	2.95	1947
1948	---	---	---	0	0.065	0.331	4.10	1.95	1.42	1.24	0	---	1.28	1948
1949	---	---	---	0.231	3.80	5.07	11.6	5.48	5.02	3.13	0	---	4.33	1949
1950	---	---	---	0	1.12	8.88	7.63	6.84	5.39	2.02	0	---	3.99	1950
1951	---	---	---	0	0.283	0.565	2.25	4.27	0.606	0.453	0	---	1.06	1951
1952	---	---	---	0	0.673	2.15	4.36	4.87	2.16	2.15	0	---	2.09	1952
1953	---	---	---	0	0.605	0.454	5.30	5.28	2.46	1.77	0	---	2.01	1953
1954	---	---	0	0	0.955	6.16	10.5	5.34	1.10	1.19	0	0.285	3.18	1954
1955	---	---	---	0	0.031	2.12	1.26	7.43	5.17	1.58	0	---	2.21	1955
1956	---	---	---	0	0.330	3.39	2.94	5.70	3.72	1.95	0	---	2.26	1956
1957	---	---	---	0	2.77	4.28	9.89	7.23	6.01	2.01	0	---	4.05	1957
1958	---	---	---	0	1.66	5.74	5.54	7.47	5.21	3.40	0	---	3.64	1958
1959	---	---	---	0	0.597	4.22	5.58	5.91	4.15	2.10	0	---	2.83	1959
1960	---	---	---	0	1.74	4.61	9.15	5.68	4.53	5.40	0	---	3.94	1960
1961	---	---	---	0	3.02	11.7	10.3	9.36	5.02	2.08	0	---	4.97	1961
1962	---	---	---	0	4.92	8.21	11.0	7.76	3.08	5.86	0	---	5.39	1962
1963	---	---	---	0	6.61	6.42	11.62	6.86	3.12	5.91	0	---	4.09	1963
1964	---	---	---	0	0.776	5.43	12.8	9.22	3.61	5.20	1.64	---	4.88	1964
1965	---	---	---	0	1.13	3.01	2.73	6.82	1.86	3.58	0.260	---	2.44	1965
1966	---	---	---	0	1.78	2.40	4.36	7.30	5.34	5.96	0	---	3.16	1966
1967	---	---	---	0	0	2.20	9.77	8.62	5.40	4.00	0	---	3.91	1967
1968	---	---	---	0	1.92	5.63	9.03	6.68	3.91	1.79	0.214	---	3.67	1968
1969	---	---	---	0	1.10	4.72	3.13	8.46	6.33	3.20	0	---	3.38	1969
1970	---	---	---	0.038	3.02	5.63	8.95	9.24	5.88	5.28	0.909	---	4.90	1970
1971	---	---	---	0	1.84	5.95	10.9	8.47	5.57	2.88	0	---	4.48	1971
1972	---	---	---	0	0.529	6.99	7.85	7.70	3.70	1.49	0	---	3.56	1972
1973	---	---	---	0	5.53	6.88	9.95	6.16	3.02	2.55	0	---	4.29	1973
MEAN	---	---	0	0.036	2.04	4.95	7.74	5.72	3.51	2.77	0.069	0.285	3.38	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 57 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	13.0 ON JUL 06	0 ON APR 01 *	58 800	1925
1926	---	15.5 ON JUN 13	0 ON APR 01	66 800	1926
1927	---	3.74 ON JUL 02	0 ON APR 01	21 200	1927
1928	---	15.2 ON JUN 05	0 ON APR 01	39 800	1928
1929	---	16.5 ON OCT 17	0 ON APR 01	76 000	1929
1930	---	18.6 ON JUN 19 *	0 ON APR 01	82 200	1930
1932	---	14.6 ON JUL 20	0 ON APR 01	54 100	1932
1934	---	14.6 ON MAY 30	0 ON APR 01	74 600	1934
1935	---	14.5 ON JUN 27	0 ON APR 01	76 800	1935
1936	---	15.6 ON JUL 03	0 ON APR 01	65 500	1936
1937	---	16.6 ON JUL 01	0 ON APR 01	87 400	1937
1938	---	17.3 ON JUN 21	0 ON APR 01	84 300	1938
1939	---	14.7 ON JUL 27	0 ON APR 01	71 300	1939
1940	---	13.4 ON JUN 27	0 ON APR 01	67 700	1940
1941	---	17.9 ON JUN 28	0 ON APR 01	74 000	1941
1942	---	12.9 ON JUL 24	0 ON APR 01	45 300	1942
1943	---	13.1 ON JUL 01	0 ON APR 01	97 400	1943
1944	---	14.3 ON JUL 21	0 ON APR 01	95 900	1944
1945	---	15.4 ON JUL 30	0 ON APR 01	67 100	1945
1946	---	15.0 ON JUL 25	0 ON APR 01	80 800	1946
1947	---	15.3 ON JUL 18	0 ON APR 01	62 200	1947
1948	---	11.2 ON JUL 14	0 ON APR 01	26 900	1948
1949	---	14.4 ON JUL 05	0 ON APR 01	91 400	1949
1950	---	13.2 ON JUN 15	0 ON APR 01	84 200	1950
1951	---	9.51 ON AUG 01	0 ON APR 01	22 400	1951
1952	---	9.85 ON JUL 15	0 ON APR 01	44 000	1952
1953	---	10.6 ON JUL 24	0 ON APR 01	42 300	1953
1954	---	14.4 ON JUN 26	0 ON APR 01	67 100	1954
1955	---	10.4 ON AUG 12	0 ON APR 01	46 500	1955
1956	---	8.01 ON JUN 14	0 ON APR 01	47 700	1956
1957	---	15.2 ON JUL 17	0 ON APR 01	85 300	1957
1958	---	9.94 ON AUG 11	0 ON APR 01	76 800	1958
1959	---	9.77 ON JUL 27	0 ON APR 01	59 700	1959
1960	---	11.7 ON JUL 22	0 ON APR 01	83 100	1960
1961	---	14.1 ON JUN 18	0 ON APR 01	105 000	1961
1962	---	11.8 ON JUL 26	0 ON APR 01	114 000	1962
1963	---	13.0 ON JUN 20	0 ON APR 01	86 200	1963
1964	---	16.4 ON JUL 16	0 ON APR 01	103 000	1964
1965	---	10.1 ON AUG 04	0 ON APR 01	51 500	1965
1966	---	10.7 ON AUG 04	0 ON APR 01	66 600	1966
1967	---	16.1 ON JUL 31	0 ON APR 01	82 400	1967
1968	---	11.3 ON JUL 17	0 ON APR 01	77 300	1968
1969	---	9.74 ON AUG 01	0 ON APR 01	71 200	1969
1970	---	13.1 ON JUL 23	0 ON APR 01	103 000	1970
1971	---	12.1 ON JUL 23	0 ON APR 01	94 500	1971
1972	---	9.74 ON JUL 19	0 ON APR 01	75 000	1972
1973	---	11.6 ON JUL 17	0 ON APR 01	90 400	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71 200	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	---	11.4	15.0	18.6	13.1	8.65	---	---	---	---	1930
1979	---	---	---	---	4.60	16.2	16.3	13.4	9.68	4.28	---	---	---	1979
1980	---	---	---	6.61	11.1	7.34	16.1	10.9	6.14	4.23	---	---	8.94	1980
1986	---	---	---	9.01	16.5	20.1	20.2	11.6	6.85	0.824	---	---	12.2	1986
1987	---	---	---	5.15	21.3	22.3	18.8	10.5	4.93	1.93	---	---	12.1	1987
1988	---	---	---	11.4	30.6	25.6	16.6	8.29	6.23	5.34	---	---	14.9	1988
1989	---	---	---	8.82	21.5	13.4	32.6	11.2	2.98	1.88	---	---	13.3	1989
1990	---	---	---	1.76	9.93	15.5	34.1	14.5	9.14	4.25	---	---	12.8	1990
MEAN	---	---	---	7.13	15.9	16.9	21.7	11.7	6.83	3.25	---	---	12.4	MEAN

LOCATION - LAT 49 41 10 N
LONG 113 34 20 W REGULATED

REMARKS - DATA PRIOR TO 1986 COLLECTED BY ADOE

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	19.5 ON JUL 10	OB ON OCT 21 *	---	1930
1979	---	17.0 ON JUN 18	0 ON MAY 01	---	1979
1980	---	17.4 ON MAY 17	0 ON APR 01	165 000	1980
1986	---	21.3 ON JUL 01	OE ON APR 01	225 000	1986
1987	---	22.8 ON MAY 27	0 ON APR 01	224 000	1987
1988	---	39.4 ON JUN 22	OE ON APR 01	275 000	1988
1989	---	39.6A ON JUL 18	OB ON APR 01	245 000	1989
1990	---	43.5 ON JUL 07 *	OE ON APR 01	237 000	1990
MEAN				229 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO. 05AB032

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	11.6	11.5	16.7	12.2	5.81	---	---	---	---	1925
1926	---	---	---	---	5.99	15.5	14.3	11.3	6.99	---	---	---	---	1926
1927	---	---	---	---	2.62	2.73	7.35	3.41	5.62	5.09	---	---	---	1927
1928	---	---	---	---	6.04	12.2	1.70	4.93	4.35	7.10	---	---	---	1928
1977	---	---	---	8.56	15.6	17.3	12.3	12.2	12.2	4.03	---	---	11.7	1977
1979	---	---	---	---	4.92	17.6	17.4	14.5	10.4	4.94	---	---	---	1979
1980	---	---	---	6.85	11.9	7.69	17.3	11.9	6.50	4.71	---	---	9.59	1980
MEAN	---	---	---	7.71	8.38	12.1	12.4	10.3	7.40	5.17	---	---	10.6	MEAN

LOCATION - LAT 49 40 00 N, LONG 113 36 00 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO. 05AB032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	---	---	---	1925
1926	---	---	---	---	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1977	---	18.0R ON JUN 08	0 ON APR 01 *	217 000	1977
1979	---	18.8 ON JUN 18 *	0 ON MAY 01	---	1979
1980	---	18.1 ON MAY 20	0 ON APR 01	177 000	1980
MEAN				197 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KEHO LAKE - STATION NO. 05AC009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.249	7.59	7.21	4.28	7.08	3.38	0.232	0	---	4.96	1925
1926	---	---	---	0.316	2.06	7.16	5.84	5.34	4.42	0.583	0	---	4.22	1926
1927	---	---	---	0.142	1.30	0.638	3.26	2.46	3.18	1.17	0	---	2.00	1927
1928	---	---	---	0	1.48	7.83	4.14	1.68	1.87	5.22	0	---	3.19	1928
1929	---	---	---	0	2.00	1.80	3.46	6.74	6.06	2.18	0.117	---	3.70	1929
1930	---	---	---	3.88	9.49	7.26	10.8	9.72	6.71	1.08	0	---	7.51	1930
MEAN	---	---	---	0.765	3.99	5.32	4.80	5.50	4.27	1.74	0.020	---	4.26	MEAN

LOCATION - LAT 51 38 46 N, LONG 115 01 05 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KEHO LAKE - STATION NO. 05AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	14.6 ON JUN 13	0 ON JUN 29 *	78 800	1925
1926	---	13.9 ON JUN 19	0 ON OCT 19	67 000	1926
1927	---	8.52 ON JUL 17	0 ON OCT 22	31 800	1927
1928	---	14.6 ON JUN 18	0 ON MAY 01	50 600	1928
1929	---	10.0 ON AUG 07	0.159A ON MAY 03	58 900	1929
1930	---	15.0 ON MAY 04 *	0 B ON OCT 27	119 000	1930
MEAN				67 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZAGHIES BRIDGE - STATION NO. 05AB016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.683	8.93	9.23	13.8	9.62	4.12	0.932	0	---	6.79	1925
1926	---	---	---	0.636	4.52	13.1	12.3	9.13	5.40	1.51	0	---	6.66	1926
1927	---	---	---	0.432	1.58	1.74	5.53	4.14	4.35	4.08	0.004	---	3.13	1927
1928	---	---	---	0	4.53	10.4	1.24	3.63	2.95	6.06	0	---	4.10	1928
1929	---	---	---	0.024	2.68	4.29	9.54	10.1	8.42	7.85	0.045	---	6.15	1929
1930	---	---	---	4.54	10.7	14.6	18.4	12.4	7.97	2.74	0	---	10.2	1930
1932	---	---	---	0	8.61	2.51	12.4	12.8	5.14	3.39	0	---	6.47	1932
1933	---	---	---	0.591	3.47	14.5	15.3	14.4	5.27	3.40	0	---	8.17	1933
1934	---	---	---	0.771	14.1	6.59	7.11	11.2	8.00	3.30	0	---	7.33	1934
1935	---	---	---	0	4.54	10.5	17.8	11.8	6.41	4.73	0	---	8.01	1935
1936	---	---	---	0	8.83	11.2	14.2	7.58	6.67	5.12	0	---	7.67	1936
1937	---	---	---	0	17.9	15.4	16.1	13.5	8.49	5.67	0	---	11.1	1937
1938	---	---	---	0	7.27	12.8	15.1	9.39	5.53	4.62	0	---	7.83	1938
1939	---	---	---	0.709	16.7	8.41	9.38	11.7	10.0	4.82	0	---	8.85	1939
1940	---	---	---	0	10.5	15.2	15.1	11.9	7.99	2.62	0	---	9.05	1940
1941	---	---	---	0.240	13.3	7.62	15.1	7.86	5.38	2.75	0	---	7.51	1941
1942	---	---	---	4.75	7.62	0.320	1.78	5.65	2.45	3.94	0	---	3.80	1942
1943	---	---	---	0	10.2	12.0	17.0	11.6	6.77	5.66	0.133	---	9.08	1943
1944	---	---	---	5.13	22.6	11.1	13.9	7.74	4.79	2.87	0	---	9.77	1944
1945	---	---	---	4.22	11.4	4.32	7.49	11.6	9.30	3.54	0	---	7.43	1945
1946	---	---	---	0	13.1	7.01	11.1	13.6	6.18	2.93	0	---	7.75	1946
1947	---	---	---	0	4.43	2.76	14.3	11.4	2.52	3.32	0	---	5.58	1947
1948	---	---	---	0	5.43	4.14	9.57	8.37	10.5	7.71	0	---	6.55	1948
1949	---	---	---	1.94	10.9	7.17	15.1	8.32	8.31	6.22	0.368	---	8.32	1949
1950	---	---	---	0.603	14.3	14.4	13.0	12.3	9.05	6.30	0	---	10.0	1950
1951	---	---	---	0	3.46	3.71	3.14	5.74	3.14	2.42	0	---	3.10	1951
1952	---	---	---	0	6.25	4.52	4.26	6.50	3.81	3.15	0	---	4.09	1952
1953	---	---	---	0	6.73	1.90	4.17	10.3	8.54	4.40	0	---	5.17	1953
1954	---	---	0	0	4.34	13.1	11.8	9.21	2.08	1.46	0	---	6.00	1954
1955	---	---	---	0.312	2.87	7.73	3.52	7.91	6.13	2.73	0	---	4.45	1955
1956	---	---	---	0	5.03	11.7	3.50	4.92	3.46	2.72	0	---	4.46	1956
1957	---	---	---	0	10.5	9.28	10.9	10.4	7.94	4.13	0	---	7.62	1957
1958	---	---	---	0	8.38	9.12	6.51	6.35	5.47	4.64	0	---	5.79	1958
1959	---	---	---	0.084	9.03	9.13	7.80	9.13	3.47	2.38	0	---	5.88	1959
1960	---	---	---	0	6.54	9.04	13.5	11.7	7.61	5.72	0	---	7.76	1960
1961	---	---	---	6.76	7.50	15.7	16.4	11.9	9.52	8.47	0	---	10.9	1961
1962	---	---	---	0.522	7.09	13.8	14.3	10.8	8.36	7.49	2.05	---	8.94	1962
1963	---	---	---	7.36	9.96	12.9	2.16	7.23	8.30	5.32	0	---	7.58	1963
1964	---	---	---	0	5.24	14.1	13.2	12.6	11.4	7.20	2.25	---	9.11	1964
1965	---	---	---	0	6.76	4.43	3.04	10.0	3.32	2.26	0	---	4.28	1965
1966	---	---	---	0	2.78	3.55	3.07	4.28	3.30	2.85	0	---	2.84	1966
1967	---	---	---	0	0.471	3.85	12.6	15.4	8.68	4.86	0	---	6.57	1967
1968	---	---	---	2.05	11.4	12.0	12.9	10.9	2.18	1.90	0	---	7.65	1968
1969	---	---	---	0	3.60	11.7	3.12	12.9	8.89	3.32	0	---	6.21	1969
1970	---	---	---	1.31	12.7	8.87	12.5	10.3	5.54	3.99	0	---	7.92	1970
1971	---	---	---	8.62	14.7	7.86	14.7	13.1	6.98	3.79	0	---	10.0	1971
1972	---	---	---	0	6.06	13.7	14.4	12.5	5.02	2.55	0	---	7.77	1972
1973	---	---	---	8.41	13.9	14.3	15.4	11.4	9.08	7.66	0.211	---	11.5	1973
1974	---	---	---	1.32	11.0	9.11	15.3	16.3	14.4	7.75	0	---	10.8	1974
1975	---	---	---	0	4.44	7.26	10.2	14.2	9.10	4.14	0	---	7.07	1975
1976	---	---	---	2.35	11.5	15.3	15.8	13.1	8.55	5.51	0	---	10.3	1976
1977	---	---	0	8.30	15.3	16.7	12.0	11.9	11.2	3.76	0	---	11.3	1977
1978	---	---	---	0	0	10.9	14.0	10.5	2.60	2.01	0	---	5.73	1978
1979	---	---	---	0	4.90	16.4	16.3	13.5	9.39	4.25	0	---	9.25	1979
1980	---	---	---	6.37	10.9	7.47	16.1	11.0	6.32	4.55	0	---	9.00	1980
1981	---	---	---	5.94	7.67	7.47	15.6	10.9	8.31	6.04	0	---	8.87	1981
1982	---	---	---	1.69	11.3	13.6	15.4	14.6	9.96	0.003	0	---	9.52	1982
1983	---	---	---	5.90	10.9	15.7	16.5	13.2	7.74	0.364	0	---	10.1	1983
1984	---	---	---	8.76	18.8	18.9	18.3	10.4	6.92	0.904	0	---	11.9	1984
1985	---	---	---	9.29	16.2	18.9	16.6	12.7	9.91	2.28	---	---	12.3	1985
MEAN	---	---	0	1.84	8.77	9.92	11.5	10.5	6.81	4.05	0.086	---	7.65	MEAN

LOCATION - LAT 49 43 39 N
LONG 113 33 00 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZAGHIES BRIDGE - STATION NO. 05AD016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	15.8 ON JUL 21	0 ON APR 01 *	126 000	1925
1926	---	17.6 ON JUN 17	0 ON APR 01	123 000	1926
1927	---	9.46 ON JUL 16	0 ON APR 01	57 900	1927
1928	---	16.0 ON JUN 05	0 ON APR 01	75 900	1928
1929	---	15.7 ON AUG 04	0 ON APR 01	114 000	1929
1930	---	19.3 ON JUL 08	0E ON APR 01	189 000	1930
1932	---	17.9 ON JUL 28	0 ON APR 01	120 000	1932
1933	---	17.6 ON JUN 28	0E ON APR 01	151 000	1933
1934	---	22.5 ON MAY 27	0E ON APR 01	135 000	1934
1935	---	21.3 ON JUL 16	0 ON APR 01	148 000	1935
1936	---	19.3 ON JUL 03	0 ON APR 01	142 000	1936
1937	---	20.6 ON JUL 05	0E ON APR 01	204 000	1937
1938	---	18.7 ON JUL 23	0E ON APR 01	145 000	1938
1939	---	19.3 ON MAY 30	0E ON APR 01	164 000	1939
1940	---	17.3 ON JUN 25	0 ON APR 01	167 000	1940
1941	---	19.1 ON MAY 13	0 ON APR 01	139 000	1941
1942	---	19.7 ON MAY 07	0 ON APR 01	70 300	1942
1943	---	18.4 ON JUL 26	0 ON APR 01	168 000	1943
1944	---	23.9 ON MAY 15 *	0E ON APR 01	101 000	1944
1945	---	18.8 ON MAY 06	0 ON APR 01	137 000	1945
1946	---	19.0 ON JUN 06	0 ON APR 01	143 000	1946
1947	---	19.4 ON JUL 26	0 ON APR 01	103 000	1947
1948	---	18.4 ON JUL 27	0 ON APR 01	121 000	1948
1949	---	19.3 ON MAY 06	0 ON APR 01	154 000	1949
1950	---	18.5 ON JUN 19	0 ON APR 01	185 000	1950
1951	---	10.7 ON AUG 11	0 ON APR 01	57 300	1951
1952	---	12.6 ON MAY 16	0 ON APR 01	75 600	1952
1953	---	11.9 ON SEP 09	0 ON APR 01	95 600	1953
1954	---	15.1 ON JUN 28	0 ON APR 01	111 000	1954
1955	---	16.1 ON JUN 23	0 ON APR 01	82 400	1955
1956	---	14.8 ON JUN 14	0 ON APR 01	82 500	1956
1957	---	15.2 ON JUN 09	0 ON APR 01	141 000	1957
1958	---	15.7 ON JUN 07	0 ON APR 01	107 000	1958
1959	---	15.3 ON JUN 26	0 ON APR 01	109 000	1959
1960	---	14.4 ON JUL 03	0 ON APR 01	143 000	1960
1961	---	17.8 ON JUL 29	0 ON APR 01	202 000	1961
1962	---	15.7 ON JUN 10	0 ON APR 01	165 000	1962
1963	---	16.7 ON JUN 13	0 ON APR 01	140 000	1963
1964	---	15.4 ON JUN 25	0 ON APR 01	169 000	1964
1965	---	13.8 ON AUG 06	0 ON APR 01	79 200	1965
1966	---	8.18 ON AUG 05	0 ON APR 01	52 500	1966
1967	---	18.8 ON AUG 05	0 ON APR 01	122 000	1967
1968	---	17.9 ON AUG 15	0 ON APR 01	141 000	1968
1969	---	15.7 ON JUN 18	0 ON APR 01	115 000	1969
1970	---	18.8 ON JUL 22	0 ON APR 01	146 000	1970
1971	---	16.8 ON APR 24	0 ON APR 01	185 000	1971
1972	---	16.0 ON JUN 24	0 ON APR 01	144 000	1972
1973	---	16.1 ON JUL 22	0 ON APR 01	212 000	1973
1974	---	16.7 ON AUG 12	0 ON APR 01	199 000	1974
1975	---	15.5 ON AUG 16	0E ON APR 01	131 000	1975
1976	---	16.9 ON JUL 01	0 ON APR 01	191 000	1976
1977	---	17.8 ON JUN 18	0 ON APR 01	209 000	1977
1978	---	15.2 ON JUL 28	0 ON APR 01	106 000	1978
1979	---	17.1 ON JUN 25	0 ON APR 01	171 000	1979
1980	---	16.8 ON JUN 27	0E ON APR 01	166 000	1980
1981	---	16.4 ON AUG 01	0 ON APR 01	164 000	1981
1982	---	17.4 ON AUG 11	0 ON APR 01	176 000	1982
1983	---	17.0 ON JUL 16	0 ON APR 01	106 000	1983
1984	---	19.5 ON JUL 10	0 ON APR 01	219 000	1984
1985	---	20.8 ON APR 25	0 ON APR 01	227 000	1985
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		141 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO. 05AB018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	9.57	12.6	16.7	20.2	6.56	---	---	---	---	1924
1926	---	---	---	---	5.91	15.1	14.2	11.0	6.50	2.10	---	---	---	1926
1927	---	---	---	---	2.52	2.56	6.79	5.25	5.47	5.04	---	---	---	1927
1928	---	---	---	---	4.26	11.8	1.80	4.66	4.12	7.17	---	---	---	1928
1929	---	---	---	---	3.76	5.12	11.4	11.7	9.93	8.98	---	---	---	1929
1930	---	---	---	---	12.3	16.8	20.6	14.8	9.97	---	---	---	---	1930
1932	---	---	---	---	8.89	2.19	13.0	13.7	5.67	---	---	---	---	1932
MEAN	---	---	---	---	6.95	9.45	12.1	11.6	6.89	5.82	---	---	---	MEAN

LOCATION - LAT 49 40 50 N
LONG 113 36 50 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO. 05AB018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	21.5 ON AUG 19 *	---	---	1924
1926	---	20.4 ON JUN 15	---	---	1926
1927	---	11.1 ON JUL 16	---	---	1927
1928	---	19.7 ON JUN 06	---	---	1928
1929	---	18.0 ON AUG 04	---	---	1929
1930	---	21.5 ON JUN 19	---	---	1930
1932	---	18.6 ON JUL 22	---	---	1932
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	5.14	14.1	---	4.45	5.04	---	---	---	---	1977
1978	---	---	---	---	---	5.66	11.9	6.34	2.54	1.42	---	---	---	1978
1979	---	---	---	---	0.357	9.49	14.7	5.10	3.76	2.30	---	---	5.95	1979
1980	---	---	---	---	3.74	4.45	11.6	4.37	4.55	2.93	---	---	5.29	1980
1981	---	---	---	---	2.05	4.51	11.5	5.58	6.95	2.93	---	---	5.58	1981
1982	---	---	---	---	1.53	8.40	8.12	7.74	5.85	0.641	---	---	5.36	1982
1983	---	---	---	---	2.40	15.4	8.02	7.30	5.53	0.496	---	---	6.49	1983
1984	---	---	---	---	6.29	14.0	9.66	5.37	3.14	1.40	---	---	6.62	1984
1985	---	---	---	---	2.19	16.1	13.1	2.95	1.00	0.284	---	---	5.90	1985
1986	---	---	---	---	0.989	16.5	12.5	6.05	2.53	0.575	---	---	6.50	1986
1987	---	---	---	---	5.97	16.5	7.77	3.70	3.54	1.30	---	---	6.42	1987
1988	---	---	---	1.27	13.8	13.2	16.5	6.23	5.81	2.33	---	---	9.64	1988
1989	---	---	---	---	2.87	6.57	19.5	6.83	1.88	2.29	---	---	6.68	1989
MEAN	---	---	---	1.27	3.94	10.9	12.1	5.54	4.01	1.57	---	---	6.40	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 56 15 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KEHO OUTFLOW - STATION NO. 05AC026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	14.4 ON JUL 17	0 ON JUN 01 *	---	1978
1979	---	17.5 ON JUL 20	0 ON MAY 01	94 600	1979
1980	---	16.2 ON JUL 09	0 ON MAY 01	84 000	1980
1981	---	16.2 ON JUL 07	0 ON MAY 01	88 700	1981
1982	---	15.6 ON JUN 28	0 ON MAY 01	85 200	1982
1983	---	17.2 ON JUN 17	0 ON MAY 01	103 000	1983
1984	18.2 AT 10:10 MST ON JUL 07	17.9 ON JUL 08	0 ON MAY 01	105 000	1984
1985	---	21.3 ON JUL 06	0 ON MAY 01	93 800	1985
1986	---	22.5 ON JUN 28	0 ON MAY 01	103 000	1986
1987	22.6 AT 05:03 MST ON JUN 19 *	22.3 ON JUN 19	0 ON MAY 01	102 000	1987
1988	---	24.2 ON JUN 28	0 ON OCT 16	153 000	1988
1989	---	25.2 ON JUL 12 *	0 ON OCT 17	106 000	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		102 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	7.42	9.39	6.10	3.37	8.57	9.12	2.09	---	---	6.57	1977
1978	---	---	---	---	---	9.56	7.87	7.40	0.833	0.710	---	---	---	1978
1979	---	---	---	---	3.47	7.67	5.43	10.1	8.06	3.17	---	---	---	1979
1980	---	---	---	5.49	6.79	2.53	5.16	7.15	3.66	2.50	---	---	4.76	1980
1981	---	---	---	4.95	6.47	4.60	7.29	6.99	4.07	3.62	---	---	5.44	1981
1982	---	---	---	1.18	9.92	6.91	7.56	6.79	5.64	0	---	---	5.15	1982
1983	---	---	---	4.73	7.80	3.58	7.54	6.66	4.74	0.676	---	---	5.11	1983
1984	---	---	---	7.33	11.1	7.39	8.31	7.32	8.02	0.019	---	---	7.06	1984
1988	---	---	---	8.58	10.7	14.2	4.54	3.29	1.59	1.54	---	---	7.48	1988
MEAN	---	---	---	5.67	9.21	6.95	6.12	7.14	5.08	1.59	---	---	5.94	MEAN

LOCATION - LAT 49 54 27 N
LONG 113 10 49 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	17.5 ON MAY 01	0 ON APR 01 *	121 000	1977
1978	---	13.5 ON JUN 16	0 ON JUN 01	---	1978
1979	---	15.1 ON AUG 01	0 ON MAY 01	---	1979
1980	---	14.8 ON APR 29	0 ON APR 01	88 100	1980
1981	14.9 AT 10:56 MST ON APR 30 *	14.7 ON APR 30	0 ON APR 01	101 000	1981
1982	---	13.8 ON MAY 14	0 ON APR 01	95 200	1982
1983	---	15.6 ON JUL 16	0 ON APR 01	94 600	1983
1984	---	17.7 ON APR 26	0 ON APR 01	131 000	1984
1988	---	27.2 ON APR 25 *	0 ON APR 01	138 000	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		110 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO. 05AB020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	9.04	9.20	14.0	9.67	4.35	---	---	---	---	1925
1926	---	---	---	---	4.88	13.3	12.3	9.49	5.55	---	---	---	---	1926
1927	---	---	---	---	1.88	2.00	5.81	4.40	4.55	4.22	---	---	---	1927
1928	---	---	---	---	---	10.7	1.38	4.04	3.42	---	---	---	---	1928
1929	---	---	---	---	2.96	4.58	9.97	10.3	8.71	8.01	---	---	---	1929
1930	---	---	---	---	10.9	14.8	18.4	12.7	8.45	---	---	---	---	1930
1932	---	---	---	---	8.85	2.56	12.3	13.4	5.69	---	---	---	---	1932
MEAN	---	---	---	---	6.42	8.16	10.6	9.17	5.82	6.12	---	---	---	MEAN

LOCATION - LAT 49 41 55 N
LONG 113 33 42 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO. 05AB020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	16.1 ON JUL 23	---	---	1925
1926	---	17.9 ON JUN 15	---	---	1926
1927	---	9.49 ON JUL 16	---	---	1927
1928	---	17.5 ON JUN 06	---	---	1928
1929	---	16.1 ON AUG 04	---	---	1929
1930	---	19.5 ON JUL 10 *	0B ON OCT 21 *	---	1930
1932	---	17.1 ON JUL 23	---	---	1932
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL NEAR WILLOW CREEK FLUME - STATION NO. 05AB031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	6.24	9.18	12.6	15.8	4.57	---	---	---	---	1924
1925	---	---	---	---	8.91	9.22	13.7	9.53	4.05	---	---	---	---	1925
1926	---	---	---	---	4.17	12.1	11.5	8.73	5.29	---	---	---	---	1926
MEAN	---	---	---	---	6.44	10.2	12.6	11.4	4.64	---	---	---	---	MEAN

LOCATION - LAT 49 47 10 N
LONG 113 31 00 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL NEAR WILLOW CREEK FLUME - STATION NO. 05AB031

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	---	---	---	1926
				---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO. 05AB017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	0.077	0.069	0.015	0.075	0.046	---	---	---	1924
1925	---	---	---	---	0.014	0	0.093	---	---	---	---	---	---	1925
1926	---	---	---	---	---	---	0.029	0.063	0	0.013	---	---	---	1926
MEAN	---	---	---	---	0.014	0.039	0.064	0.039	0.038	0.030	---	---	---	MEAN

LOCATION - LAT 49 44 00 N
LONG 113 32 44 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO. 05AB017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	0.193 ON SEP 04	0 ON JUN 01 *	---	1924
1925	---	0.229 ON JUL 08 *	0 ON MAY 01	---	1925
1926	---	---	0 ON JAN 01	---	1926
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LILY CREEK NEAR SLAVE LAKE - STATION NO. 07BG004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0	0.219	0.137	0.063	0.020	0.067	0.039	0.029	---	---	0.071	1987
1988	---	---	0.031	0.183	0.263	0.461	1.45	0.128	0.031	0.041	---	---	0.325	1988
1989	---	---	0.002	0.126	0.355	0.373	0.137	0.240	0.100	0.083	---	---	0.178	1989
1990	---	---	0.027	0.228	0.268	0.212	0.075	0.044	0.020	0.028	---	---	0.112	1990
MEAN	---	---	0.015	0.189	0.256	0.277	0.421	0.120	0.050	0.045	---	---	0.172	MEAN

LOCATION - LAT 55 24 56 N DRAINAGE AREA, 23.8 km^2
LONG 114 48 47 W NATURAL FLOW

LILY CREEK NEAR SLAVE LAKE - STATION NO. 07BG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	0.704B AT 08:30 MST ON APR 17	0.370B ON APR 15 *	0 B ON MAR 01 *	1 510	1987
1988	41.0 AT 15:30 MST ON JUL 06 *	22.7 ON JUL 06 *	0.015 ON SEP 14	6 870	1988
1989	3.14 AT 21:00 MST ON MAY 24	1.93 ON MAY 24	0.002B ON MAR 01	3 770	1989
1990	0.620 AT 07:00 MST ON APR 21	0.585 ON APR 24	0.005 ON OCT 01	2 380	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 630	MEAN

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	0.083	0.085	---	---	---	0	0.014	0.019	---	---	---	1925
1926	---	0.002	0.045	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.043	0.061	0.247	0.001	0.124	0.033	0.002	0	---	---	---	1927
1928	0.196	0	0.348	0.012	0	0	---	---	---	---	---	---	---	1928
1929	---	---	0.001	0.002	0	---	---	---	---	---	---	---	---	1929
MEAN	0.196	0.001	0.104	0.040	0.082	0.001	0.124	0.017	0.008	0.010	---	---	---	MEAN

LOCATION - LAT 49 03 50 N DRAINAGE AREA, 26.9 km^2
LONG 110 25 20 W NATURAL FLOW

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	0.903 ON APR 23	0 ON MAR 01 *	---	1925
1926	---	0.524B ON MAR 01	0B ON FEB 01	---	1926
1927	---	1.70 ON MAY 23 *	0B ON MAR 01	---	1927
1928	---	1.56 ON JAN 12	0B ON JAN 01	---	1928
1929	---	---	0B ON MAR 01	---	1929
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LITTLE BERLAND RIVER AT HIGHWAY NO. 40 - STATION NO. 07AC008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.135	0.234	1.55	2.57	3.91	1.52	0.818	1.49	---	---	1.53	1986
1987	---	---	0.161	0.195	0.578	0.928	1.09	3.90	1.03	0.604	---	---	1.07	1987
1988	---	---	0.161	0.235	0.363	0.792	0.630	0.526	0.493	0.412	---	---	0.451	1988
1989	---	---	0.130	0.238	1.83	2.79	2.96	4.85	2.13	0.760	---	---	1.97	1989
1990	---	---	0.172	0.366	1.44	4.48	4.16	1.33	1.43	0.578	---	---	1.74	1990
MEAN	---	---	0.152	0.254	1.15	2.31	2.55	2.43	1.18	0.773	---	---	1.35	MEAN

LOCATION - LAT 53 40 43 N DRAINAGE AREA, 94 km²
LONG 118 14 19 W NATURAL FLOW

LITTLE BERLAND RIVER AT HIGHWAY NO. 40 - STATION NO. 07AC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	14.8 AT 08:14 MST ON JUL 18	14.0 ON JUL 18	0.090B ON MAR 05 *	32 400	1986
1987	16.5 AT 04:40 MST ON AUG 02	14.5 ON AUG 02	0.142B ON MAR 05	22 500	1987
1988	1.57 AT 11:19 MST ON JUN 11	1.44 ON JUN 11	0.147B ON MAR 01	9 540	1988
1989	14.0 AT 05:29 MST ON AUG 17	13.4 ON AUG 17	0.125B ON MAR 21	41 600	1989
1990	23.7 AT 22:50 MST ON JUL 06 *	17.4 ON JUL 07 *	0.160B ON MAR 22	36 800	1990
				28 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.546	1.19	0.978	---	---	---	1910
1911	---	---	---	0.577	1.08	0.798	0.277	0.262	0.272	0.184	---	---	---	1911
1912	---	---	---	0.449	0.895	0.649	0.200	0.003	0.557	1.91	1.95	---	---	1912
1913	0.839	1.03	1.36	1.31	1.06	1.42	0.831	0.751	0.911	0.585	0.536	0.621	0.934	1913
1914	0.352	0.412	0.466	0.498	0.762	0.813	0.660	0.428	0.305	0.286	0.326	0.251	0.463	1914
1915	0.215	0.192	0.177	0.166	0.944	1.90	0.598	0.262	0.095	0.081	0.221	0.082	0.410	1915
1916	0.020	0.380	0.354	0.328	1.20	2.92	0.256	0	0	0	0	0	0.452	1916
1917	0	0	0	0	0	0.146	0.005	0	0	0	0	0	0.012	1917
1918	0	0	0	0	0	0	0.060	0.368	0.218	0.140	0.042	0.013	0.071	1918
1919	0.004	0.005	0	0.009	0.273	0.135	0.188	0.409	0.169	0.113	0.069	0.027	0.118	1919
1920	0.015	0.006	0.003	0.022	0.177	0.613	0.407	0.027	0.039	0.204	0.088	0.057	0.138	1920
1921	0.036	0.044	0.045	0.038	0.271	0.327	0.496	0.349	0.149	0.222	0.084	0.059	0.178	1921
1922	0.020	0.008	0.016	0.076	0.347	0.486	0.060	0.049	0.030	0.066	0.020	0.001	0.098	1922
1923	0	0	0	0.050	0.201	---	---	---	---	0.289	0.752	0.418	---	1923
1924	0.060	0.035	0.051	0.097	0.322	0.795	0.770	1.40	0.810	0.798	0.619	0.432	0.518	1924
1925	0.217	0.254	0.260	0.072	0.205	0.893	1.24	1.50	1.40	1.17	0.803	0.674	0.728	1925
1926	0.184	0.091	0.086	0.319	0.782	0.771	0.700	0.592	1.21	0.944	0.370	0.343	0.535	1926
1927	0.262	0.159	0.076	0.079	0.059	0.060	0.043	0.312	0.163	0.121	0.052	0.043	0.119	1927
1928	0.038	0.028	0.041	0.006	0.143	0.147	0.050	0.029	0.026	0.003	0.002	0.001	0.043	1928
1929	0.001	0	0.002	0.003	0.010	2.99	0.033	0.229	0.155	0.094	0.109	0.082	0.306	1929
1930	0.052	0.172	0.083	0.104	0.197	0.125	0.265	0.170	0.152	0.127	0.150	0.137	0.144	1930
1931	0.087	0.027	0.033	0.034	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	---	---	---	0.852	1.02	0.746	---	---	---	---	1933
1935	---	---	---	0.056	0.038	0.292	0.496	0.602	0.638	0.562	---	---	---	1935
1936	---	---	---	0.010	---	---	---	---	---	---	---	---	---	1936
1938	---	---	---	0.185	0.340	0.282	0.410	0.444	0.488	0.581	---	---	---	1938
1939	---	---	0.006	0.313	0.624	0.343	0.431	0.507	0.685	0.616	---	---	---	1939
1940	---	---	---	0	0.119	0.576	0.496	0.439	0.383	0.326	---	---	---	1940
1941	---	---	---	0.291	0.606	0.629	0.616	0.597	0.362	0.329	---	---	---	1941
1942	---	---	---	0.020	0	---	---	---	---	---	---	---	---	1942
1943	---	---	---	0	0.010	0.026	0.540	0.381	0.266	0.229	---	---	---	1943
1944	---	---	---	0	0.126	0.201	0.355	0.401	0.387	0.303	---	---	---	1944
1945	---	---	0	0	0	0	0.119	0.161	0.349	0.038	---	---	---	1945
1946	---	---	0	0.023	0.023	0.023	0.490	0.666	0.355	0.273	---	---	---	1946
1947	---	---	---	0	0	0	0.054	0.271	0.157	0	---	---	---	1947
1948	---	---	---	0	0	0	0.017	0.489	0.447	0.321	---	---	---	1948
1949	---	---	---	0	0.209	0.248	0.679	1.22	1.21	1.19	0.202	---	---	1949
1950	---	---	---	0	0.012	0.641	1.35	1.08	0.951	1.13	0	---	---	1950
1951	---	---	0	0.049	0.071	0.082	0.525	0.712	0.241	0.228	0	---	---	1951
1952	---	---	0	0	0	0.026	0.365	0.330	0.232	0.174	0.018	---	---	1952
1953	---	---	0	0	0.014	0.017	0.104	0.265	0.617	0.396	0.223	---	---	1953
1954	---	---	0	0	0.023	0.013	0.490	0.273	0.169	0.122	---	---	---	1954
1955	---	---	0	0.027	0.022	0.015	0.023	0.227	0.226	0.148	0	---	---	1955
1956	---	---	0	0	0.028	0.091	0.263	0.286	0.179	0.151	0	---	---	1956
1957	---	---	0	0	0.017	0.017	0.131	0.164	0.116	0.094	0	---	---	1957
1958	---	---	0	0.001	0.006	0.008	0.142	0.292	0.282	0.190	0.095	---	---	1958
1959	---	---	0	0.003	0.006	0.008	0.222	0.240	0.002	0	0	---	---	1959
1960	---	---	0	0	0.003	0.006	0.293	0.435	0.326	0.262	---	---	---	1960
1961	---	---	0	0.035	0.063	0.180	0.651	0.318	0.144	0.291	0.102	---	---	1961
1962	---	---	0.007	0.005	0.219	0.211	0.477	0.361	0.319	0.084	---	---	---	1962
1963	---	---	0.001	0.046	0.343	0.653	0.372	0.271	0.155	0.067	---	---	---	1963
1964	---	---	0	0.001	0.018	0.061	0.541	0.142	0.218	0.253	0.157	---	---	1964
1965	---	---	0	0	0.012	0.137	0.621	0.348	0.478	0.600	0.085	---	---	1965
1966	---	---	0	0.021	0.067	0.054	0.595	0.189	0.026	0.008	0	---	---	1966
1967	---	---	---	---	---	---	0.118	0.772	0.598	0.576	---	---	---	1967
1968	---	---	---	0.011	0.011	0.197	0.700	0.342	0.005	0.021	---	---	---	1968
1969	---	---	---	---	0.044	0.473	0.417	0.343	0.460	0.953	0.389	---	---	1969
1970	---	---	---	---	0.017	0.161	0.909	0.529	0.803	0.613	---	---	---	1970
1971	---	---	---	---	0.003	1.05	0.960	0.626	0.184	0.094	0.057	---	---	1971
1972	---	---	---	---	0.010	0.007	1.06	0.973	0.760	0.288	0.235	0.343	---	1972
1973	0.304	0.329	0.260	0.190	0.407	0.624	0.591	0.454	0.300	0.181	0.112	0.144	0.325	1973
1974	0.169	0.154	0.130	0.336	0.371	0.232	0.681	0.658	0.696	0.443	0.318	0.400	0.384	1974
1975	0.405	0.311	0.274	0.091	0.277	0.529	0.508	1.27	0.866	0.679	0.884	0.884	0.584	1975
1976	0.415	0.359	0.311	0.327	0.608	0.941	1.31	1.28	1.36	0.860	0.650	0.300	0.728	1976
1977	0.326	0.458	0.619	0.670	0.960	0.924	0.543	1.76	0.899	0.790	0.520	0.202	0.724	1977
1978	0.170	0.197	0.278	0.229	0.079	0.097	0.430	0.193	0.096	0.071	0.007	0.020	0.156	1978
1979	0.027	0.024	0.057	0.079	1.18	1.45	1.53	1.50	1.08	0.887	0.701	0.412	0.749	1979
1980	0.343	0.295	0.280	0.184	1.79	1.35	1.17	0.903	0.790	0.955	0.291	0.399	0.733	1980
1981	0.433	0.321	0.440	0.487	0.727	1.63	1.90	1.92	1.39	1.29	0.626	0.206	0.952	1981
1982	0.159	0.118	0.099	0.095	0.587	1.93	1.66	1.48	1.07	0.847	0.384	0.271	0.730	1982
1983	0.227	0.251	0.191	0.139	1.40	1.93	1.63	1.19	0.680	0.500	0.506	0.303	0.749	1983
1984	0.355	0.343	0.534	0.578	1.49	2.26	2.39	1.41	0.620	0.537	0.454	0.379	0.949	1984
1985	0.407	0.406	0.445	0.512	1.71	2.60	2.41	1.01	0.793	0.713	0.551	0.441	1.00	1985
1986	0.587	0.595	0.541	0.609	1.29	2.32	2.70	1.53	0.787	0.535	0.528	0.308	1.03	1986
1987	0.450	0.658	0.675	0.570	1.50	2.66	2.42	1.51	0.758	0.688	0.579	0.458	1.08	1987
1988	0.488	0.562	0.566	1.11	2.26	2.82	1.84	1.85	0.752	0.633	0.542	0.472	1.16	1988
1989	0.477	0.431	0.572	0.716	1.44	2.11	2.22	1.50	0.896	0.740	0.571	0.575	1.02	1989
1990	0.532	0.597	0.685	0.609	1.30	1.49	2.60	1.21	0.495	0.592	0.501	0.561	0.936	1990
MEAN	0.235	0.251	0.179	0.181	0.430	0.713	0.720	0.636	0.487	0.431	0.305	0.279	0.550	MEAN

LOCATION - LAT 50 34 59 N
LONG 113 52 18 W

REGULATED SINCE 1910

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	
1911	---	---	---	---	
1912	---	2.70 ON MAY 16	0 ON JUN 09 *	---	1910
1913	---	3.74 ON JUN 16	0 ON JUN 26	---	1911
1914	---	2.07 ON APR 07	0.348 ON NOV 22	---	1912
	---	1.44 ON JUL 19	0.193 ON NOV 13	29 500	1913
1915				14 600	1914
1916	---	9.17 ON JUN 26	0 ON JUL 09		
1917	---	3.60 ON JUN 03	0 B ON JAN 01	12 900	1915
1918	---	0.405 ON JUN 09	0 ON JAN 01	14 300	1916
1919	---	1.25 ON AUG 13	0 ON JAN 01	391	1917
	---	0.793 ON AUG 02	0 ON MAR 01	2 230	1918
1920				3 720	1919
1921	---	1.59 ON JUN 16	0 B ON MAR 19		
1922	---	1.22 ON MAY 26	0 ON APR 13	4 370	1920
1923	---	1.30 ON JUN 04	0 B ON FEB 23	5 610	1921
1924	---	---	---	3 100	1922
	---	2.42 ON OCT 14	0.028B ON FEB 07	---	1923
1925				16 400	1924
1926	---	2.01 ON AUG 18	0.059 ON MAY 14		
1927	---	1.40 ON JUN 18	0.045B ON JAN 27	23 000	1925
1928	---	1.20 ON AUG 15	0.011 ON JUL 25	16 900	1926
1929	---	0.190 ON MAY 17	0 B ON DEC 29	3 750	1927
	---	19.8 E ON JUN 03 *	0 B ON JAN 01	1 360	1928
1930				9 640	1929
1931	---	0.665B ON FEB 18	0.042B ON FEB 15		
	---	---	---	4 550	1930
1933	---	---	---	---	1931
				---	1933
1935	---		---		
1936	---	0.731 ON AUG 18	---	---	1935
	---	---	0 ON APR 01	---	1936
1938	---				
1939	---	0.537 ON OCT 14	0 E ON APR 01	---	1938
	---	0.833 ON APR 21	---	---	1939
1940					
1941	---	0.708E ON MAY 27	0 ON APR 01		
1942	---	0.957 ON AUG 30	---	---	1940
1943	---	---	0 ON APR 01	---	1941
1944	---	0.861 ON JUL 04	0 ON APR 01	---	1942
	---	0.572 ON AUG 21	0 ON APR 01	---	1943
1945				---	1944
1946	---	0.861 ON AUG 31	0 ON MAR 01		
1947	---	1.18 ON AUG 25	0 ON MAR 01	---	1945
1948	---	0.388 ON JUL 27	0 ON APR 01	---	1946
1949	---	0.614 ON SEP 20	0 ON APR 01	---	1947
	---	1.78 ON AUG 25	0 ON APR 01	---	1948
1950				---	1949
1951	---	1.93 ON OCT 16	0 ON APR 01		
1952	---	1.55 ON AUG 02	0 ON MAR 01	---	1950
1953	---	0.425 ON JUL 21	0 ON MAR 01	---	1951
1954	---	0.983E ON AUG 29	0 E ON MAR 01	---	1952
	---	0.731E ON JUL 03	0 ON MAR 01	---	1953
1955				---	1954
1956	---	0.521 ON AUG 26	0 ON MAR 01		
1957	---	0.530 ON JUL 27	0 ON MAR 01	---	1955
1958	---	0.241 ON JUL 23	0 ON MAR 01	---	1956
1959	---	0.413 ON AUG 05	0 ON MAR 01	---	1957
	---	0.498 ON JUL 25	0 ON MAR 01	---	1958
1960				---	1959
1961	---	0.705 ON AUG 04	0 E ON MAR 01		
1962	---	0.782 ON JUL 07	0 ON MAR 01	---	1960
1963	---	0.762 ON SEP 02	---	---	1961
1964	---	6.37 E ON JUN 30	0 ON MAR 01	---	1962
	---	0.818 ON JUN 30	0 ON MAR 01	---	1963
1965				---	1964
1966	---	1.03 ON JUL 13	0 ON MAR 01		
1967	---	1.47 ON JUL 08	0 ON MAR 01	---	1965
1968	---	1.01 ON AUG 16	0 ON APR 17	---	1966
1969	---	0.847 ON JUL 13	0 ON AUG 10	---	1967
	---	5.86 ON JUL 01	---	---	1968
1970				---	1969
1971	---	1.23 ON JUL 09	0 ON MAY 01		
1972	---	1.93 ON JUN 16	0 ON MAY 01	---	1970
1973	---	1.59 ON JUL 07	---	---	1971
1974	---	1.33 ON MAY 26	0.019 ON MAY 21	---	1972
	---	1.03 ON JUL 26	0.068 ON JUN 02	10 200	1973
1975				12 100	1974
1976	---	1.55 ON AUG 17	0 ON APR 16		
1977	---	3.68 ON AUG 06	0.142 ON APR 19	18 400	1975
1978	---	2.86 ON AUG 03	0.144B ON DEC 31	23 000	1976
1979	---	0.603 ON JUL 18	0 B ON OCT 25	22 800	1977
	---	2.13 ON JUN 01	0.010B ON JAN 01	4 930	1978
1980				23 600	1979
1981	---	2.75 ON MAY 24	0.120 ON APR 18		
1982	---	2.90 ON JUL 26	0.190B ON DEC 31	23 200	1980
1983	---	2.54 ON JUN 14	0.046A ON APR 15	30 000	1981
1984	---	2.45 ON JUN 01	0.073 ON APR 13	23 000	1982
	---	2.84 ON JUL 22	0.204B ON NOV 02	23 600	1983
1985				30 000	1984
1986	---	3.02 ON JUN 08	0.301 ON NOV 01		
1987	---	2.89 ON JUN 29	0.257B ON DEC 31	31 600	1985
1988	---	2.97 ON JUL 05	0.197B ON DEC 15	32 500	1986
1989	---	2.98 ON JUN 04	0.209B ON JAN 02	34 100	1987
	---	2.72 ON JUL 21	0.310B ON JAN 31	36 600	1988
1990	---			32 300	1989
		2.77 ON JUL 26	0.183B ON NOV 24	29 500	1990
				17 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.753	0.280	0.037	0.437	0.523	0.331	0.327	0.080	---	1918
1919	0.010	0.005	0.003	1.23	0.932	0.349	0.148	0.920	0.381	0.257	0.221	0.067	0.378	1919
1920	0.019	0.005	6.53	12.3	6.46	1.54	1.02	0.087	0.057	0.321	0.410	0.168	2.41	1920
1921	0.011	0.222	1.08	2.57	0.746	0.405	0.313	0.362	0.219	0.309	0.167	0.030	0.510	1921
1922	0	0	0.101	2.34	1.26	0.697	0.330	0.072	0.056	0.111	0.088	0.015	0.428	1922
1923	0	0.002	0.378	0.550	0.456	8.59	2.21	1.01	0.670	0.444	0.848	0.588	1.31	1923
1924	0.095	0.539	0.548	1.76	0.684	1.51	0.978	1.69	1.05	1.18	0.692	0.281	0.915	1924
1925	0.010	0.253	2.40	1.95	0.629	1.84	1.15	1.45	1.65	2.36	---	---	---	1925
1926	---	---	1.38	1.01	0.773	2.41	1.98	1.10	4.02	2.92	---	---	---	1926
1927	---	---	1.69	1.79	4.23	6.85	3.42	1.93	1.23	4.13	---	---	---	1927
1928	---	---	---	1.16	1.73	2.98	3.11	1.81	1.04	1.07	---	---	---	1928
1929	---	---	1.51	1.88	2.55	6.67	1.14	0.546	0.624	0.748	---	---	---	1929
1930	---	1.39	1.61	2.48	1.17	0.975	0.526	0.155	0.239	0.384	---	---	---	1930
1931	---	---	0.513	0.901	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.713	0.729	---	---	---	1935
1936	---	---	2.93	---	0.462	0.499	---	---	---	---	---	---	---	1936
1955	---	---	2.24	5.87	10.8	4.75	4.05	1.42	1.42	1.22	---	---	---	1955
1956	---	---	1.98	2.79	2.80	1.16	1.23	0.674	0.536	0.466	---	---	---	1956
1957	---	---	1.26	2.16	1.31	0.692	0.348	0.351	0.511	0.746	---	---	---	1957
1958	---	---	0.654	21.4	3.06	1.21	1.12	0.480	0.523	0.421	---	---	---	1958
1959	---	---	10.7	1.66	1.80	1.71	0.985	0.555	0.370	0.417	---	---	---	1959
1960	---	---	5.07	1.20	1.43	0.609	0.141	0.491	0.359	0.407	---	---	---	1960
1961	---	---	0.651	0.581	0.634	0.777	0.452	0.457	0.391	0.447	---	---	---	1961
1962	---	---	2.67	2.85	0.645	0.457	0.399	0.317	0.497	0.341	---	---	---	1962
1963	---	---	0.543	0.282	0.694	0.823	3.17	1.16	0.973	1.22	---	---	---	1963
1964	---	---	0.228	1.24	1.27	0.783	0.749	0.038	0.795	0.699	---	---	---	1964
1965	---	---	0.779	3.21	0.499	1.75	3.32	1.39	1.44	1.34	---	---	---	1965
1966	---	---	1.96	0.693	1.17	2.07	1.65	0.854	0.555	0.440	---	---	---	1966
1967	---	---	4.33	2.50	5.14	4.52	1.23	0.755	0.798	0.895	---	---	---	1967
1968	---	---	1.37	0.930	0.415	0.825	0.940	0.856	0.766	0.818	---	---	---	1968
1969	---	---	---	7.55	2.47	2.75	9.85	1.48	---	---	---	---	---	1969
1970	---	---	2.05	2.75	2.05	3.95	2.19	0.860	1.10	1.08	---	---	---	1970
1971	---	---	5.51	1.91	1.22	2.10	1.47	0.698	0.675	0.835	---	---	---	1971
1972	---	---	3.03	2.80	1.86	1.14	1.44	1.35	1.22	0.667	---	---	---	1972
1973	---	---	3.26	1.97	1.56	1.44	0.578	0.557	0.882	0.530	---	---	---	1973
1974	---	---	2.10	3.44	3.93	1.42	1.31	1.46	1.09	1.11	0.658	---	---	1974
1975	---	---	0.592	7.53	3.68	3.02	1.30	1.56	1.41	1.08	---	---	---	1975
1976	---	---	2.51	2.08	1.29	1.10	0.849	2.07	1.38	1.17	---	---	---	1976
1977	---	---	1.36	1.40	1.91	0.756	0.303	0.846	0.942	0.923	---	---	---	1977
1978	---	---	4.46	2.42	1.71	1.29	0.767	0.838	0.929	0.530	---	---	---	1978
1979	---	---	2.75	2.57	2.62	0.807	0.862	1.41	1.13	0.949	---	---	---	1979
1980	---	---	1.27	2.10	1.96	1.55	1.08	0.788	0.864	1.07	---	---	---	1980
1981	---	---	1.13	0.769	3.58	2.91	2.52	2.46	1.70	1.47	---	---	---	1981
1982	---	---	0.615	---	---	---	2.34	1.30	1.57	1.42	---	---	---	1982
1983	---	---	1.05	1.19	1.85	1.75	1.47	1.06	1.01	0.992	0.612	0.149	---	1983
1984	0.257	0.563	1.04	1.41	1.52	2.39	1.01	1.38	0.930	0.801	0.587	0.420	1.02	1984
1985	0.266	0.307	1.68	1.42	2.23	1.90	1.23	1.23	2.05	1.69	0.610	0.433	1.26	1985
1986	0.657	2.21	1.77	0.859	1.73	1.59	2.28	1.74	1.86	1.30	0.671	0.470	1.42	1986
1987	0.472	0.666	1.20	1.11	1.50	1.56	2.67	2.30	1.62	1.36	0.881	0.532	1.33	1987
1988	0.183	0.390	1.36	1.43	1.76	2.56	1.13	2.06	1.26	1.13	0.686	0.485	1.20	1988
1989	0.414	0.379	1.04	2.04	1.76	2.34	1.24	1.34	1.69	1.25	0.533	0.523	1.22	1989
1990	0.600	0.824	1.46	0.963	1.72	1.74	2.03	1.42	0.744	0.800	0.592	0.458	1.12	1990
MEAN	0.214	0.518	2.13	2.86	1.99	1.98	1.56	1.05	1.02	0.965	0.536	0.313	1.12	MEAN

LOCATION - LAT 50 07 39 N DRAINAGE AREA 2 780 km²
LONG 113 07 02 W REGULATED SINCE 1910

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	2.49 ON AUG 17	0 ON OCT 12 *	---	1918
1919	---	4.93 ON AUG 04	0 B ON MAR 04	11 900	1919
1920	---	67.4 ON APR 21	0 B ON DEC 17	76 100	1920
1921	---	7.48B ON APR 02	0 B ON JAN 03	16 100	1921
1922	---	7.08 ON APR 23	0 B ON JAN 01	13 500	1922
1923	38.5 ON JUN 04	28.0 ON JUN 04	0 B ON JAN 01	41 300	1923
1924	---	8.21B ON APR 08	0.003B ON DEC 30	29 000	1924
1925	---	9.17B ON MAR 27	0 B ON JAN 03	---	1925
1926	16.8 ON JUN 21	15.7 ON JUN 21	---	---	1926
1927	---	15.5 ON MAY 31	---	---	1927
1928	---	---	---	---	1928
1929	---	37.7 ON JUN 05	0 B ON MAR 01	---	1929
1930	---	11.3 B ON FEB 19	---	---	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1955	38.5 B AT 16:00 MST ON MAR 31	25.4 ON MAY 25	---	---	1955
1956	---	13.7 E ON MAR 20	---	---	1956
1957	3.57 AT 07:00 MST ON APR 19	3.26 ON APR 20	---	---	1957
1958	---	80.1 B ON APR 02 *	---	---	1958
1959	38.5 B AT 11:00 MST ON MAR 18	33.1 B ON MAR 16	---	---	1959
1960	47.0 B AT 11:00 MST ON MAR 18 *	31.1 B ON MAR 18	---	---	1960
1961	2.46B AT 09:00 MST ON MAR 22	1.90B ON MAR 22	---	---	1961
1962	---	10.8 ON APR 02	---	---	1962
1963	---	19.7 ON JUL 02	---	---	1963
1964	---	3.00 ON MAY 06	0 ON AUG 12	---	1964
1965	---	9.37 ON JUL 12	---	---	1965
1966	12.5 B AT 23:30 MST ON MAR 10	10.3 B ON MAR 11	---	---	1966
1967	---	21.2 B ON MAR 24	---	---	1967
1968	---	2.62 ON JUN 10	---	---	1968
1969	30.6 AT 16:46 MST ON JUL 08	29.4 ON JUL 08	---	---	1969
1970	---	23.8 A ON JUN 15	---	---	1970
1971	26.8 AT 21:00 MST ON APR 05	22.7 ON APR 07	---	---	1971
1972	---	47.3 B ON MAR 17	0 B ON MAR 01	---	1972
1973	8.95B AT 15:30 MST ON MAR 03	6.40B ON MAR 03	---	---	1973
1974	14.7 B AT 18:45 MST ON MAR 30	9.34B ON MAR 31	---	---	1974
1975	---	26.2 B ON APR 19	---	---	1975
1976	12.8 B AT 16:20 MST ON MAR 20	11.2 B ON MAR 20	---	---	1976
1977	4.76 AT 12:35 MST ON APR 07	3.14 ON APR 07	0 ON JUL 31	---	1977
1978	---	13.0 B ON MAR 23	0 B ON JAN 25	---	1978
1979	---	15.9 B ON MAR 08	---	---	1979
1980	5.87 AT 11:45 MST ON MAY 24	5.39 ON MAY 28	---	---	1980
1981	10.7 AT 08:15 MST ON MAY 17	9.16 ON MAY 17	---	---	1981
1982	7.69 AT 08:22 MST ON JUL 02	7.19 ON JUL 02	---	---	1982
1983	3.42B AT 14:30 MST ON MAR 13	2.80 ON APR 28	0.065B ON DEC 24	---	1983
1984	4.30 AT 02:37 MST ON JUN 11	4.25 ON JUN 11	0.083B ON JAN 06	32 400	1984
1985	4.76 AT 23:59 MST ON SEP 14	4.32 ON SEP 14	0.229B ON JAN 03	39 700	1985
1986	34.4 AT 20:19 MST ON FEB 26	19.3 B ON FEB 27	0.286B ON DEC 26	44 900	1986
1987	5.65 AT 21:28 MST ON JUL 22	4.89 ON JUL 22	0.247B ON DEC 15	41 900	1987
1988	4.37 AT 02:53 MST ON JUN 10	4.21 ON JUN 10	0.080B ON FEB 01	38 100	1988
1989	5.72 AT 21:47 MST ON MAR 30	4.46 ON MAR 31	0.295B ON FEB 05	38 300	1989
1990	5.03 AT 14:46 MST ON FEB 28	3.45 ON JUL 09	0.024B ON DEC 30	35 200	1990
				35 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.566	0.566	0.554	0.498	0.471	0.450	0.439	0.293	---	1957
1958	0.296	0.407	0.777	0.791	0.421	0.466	0.397	0.354	0.223	0.244	0.180	0.132	0.398	1958
1959	0.145	0.311	0.353	0.364	0.337	0.393	0.357	0.298	0.268	0.237	0.191	0.158	0.322	1959
1960	0.271	0.274	0.555	0.344	0.287	0.261	0.272	0.312	0.294	0.344	0.359	0.222	0.302	1960
1961	0.223	0.368	0.424	0.523	0.639	0.524	0.438	0.498	0.422	0.290	0.279	0.232	0.476	1961
1962	0.288	0.319	0.487	0.310	0.362	0.444	0.185	0.243	0.367	0.523	0.383	0.328	0.347	1962
1963	0.315	0.421	0.392	0.524	0.760	0.556	0.556	0.290	0.344	0.299	0.232	0.305	0.476	1963
1964	0.251	0.370	0.506	0.344	0.461	0.548	0.526	0.296	0.443	0.353	0.370	0.396	0.424	1964
1965	0.191	0.251	0.302	0.399	0.454	0.434	0.432	0.422	0.456	0.583	0.930	0.961	0.455	1965
1966	0.790	1.06	0.807	0.803	0.864	1.10	0.678	0.555	0.659	0.577	0.643	0.592	0.746	1966
1967	0.470	0.624	0.548	0.837	1.06	1.07	0.910	0.781	0.839	0.537	0.405	0.405	0.862	1967
1968	0.390	0.353	0.402	0.360	0.817	0.802	0.608	0.499	0.422	0.365	0.377	0.304	0.582	1968
1969	0.271	0.318	0.497	0.696	0.747	0.627	0.834	0.633	0.668	0.589	---	---	0.685	1969
1970	---	---	---	0.511	0.569	0.556	0.747	0.663	0.542	0.484	---	---	0.582	1970
1971	---	---	---	---	0.698	0.774	0.599	0.683	0.508	0.474	1.69	5.54	---	1971
1972	3.53	0.978	4.17	5.25	2.24	0.992	0.610	0.314	0.315	0.298	---	---	1.42	1972
1973	---	---	---	---	0.228	0.345	0.386	0.369	0.318	0.262	---	---	---	1973
1974	---	---	0.300	0.338	0.444	0.425	0.340	0.351	0.265	0.234	---	---	0.343	1974
1975	---	---	0.101	0.185	0.379	0.296	0.334	0.219	0.240	0.931	---	---	0.371	1975
1976	---	---	---	0.445	0.573	0.562	0.425	0.397	0.420	0.347	---	---	0.452	1976
1977	---	---	---	---	0.368	0.388	0.332	0.348	0.753	0.554	---	---	---	1977
1978	---	---	---	---	0.412	0.478	0.616	0.501	0.482	0.412	---	---	---	1978
1979	---	---	---	---	0.376	0.411	0.457	0.596	0.376	0.316	---	---	---	1979
1980	---	---	---	---	0.561	0.621	0.676	0.547	0.467	0.277	---	---	---	1980
1981	---	---	---	---	1.14	1.11	1.08	1.03	1.05	0.834	---	---	---	1981
1982	---	---	---	0.630	0.731	0.774	0.777	0.565	0.649	0.694	---	---	0.689	1982
1983	---	---	---	0.719	0.660	0.687	0.781	0.927	0.728	0.717	---	---	0.746	1983
1984	---	---	---	0.839	0.858	0.784	0.762	0.738	0.714	0.866	---	---	0.795	1984
1985	---	---	---	0.723	0.752	0.711	0.682	0.668	0.666	0.614	---	---	0.688	1985
1986	---	---	---	0.646	0.804	0.792	0.714	0.702	0.681	0.670	---	---	0.719	1986
1987	---	---	---	0.640	0.686	0.693	0.724	0.719	0.656	0.646	---	---	0.681	1987
1988	---	---	---	0.756	0.882	0.823	0.724	0.728	0.689	0.700	---	---	0.758	1988
1989	---	---	---	0.700	0.753	0.802	0.780	0.777	0.718	0.617	---	---	0.735	1989
1990	---	---	---	0.697	0.756	0.727	0.681	0.455	0.308	0.287	---	---	0.558	1990
MEAN	0.572	0.466	0.708	0.753	0.666	0.634	0.588	0.526	0.512	0.489	0.499	0.759	0.600	MEAN

LOCATION - LAT 50 08 04 N DRAINAGE AREA, 5 370 km²
LONG 112 40 14 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES FREQUENTLY OCCUR OUTSIDE THE STANDARD PERIOD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.640 ON AUG 11	---	---	1957
1958	---	1.33 ON APR 09	0.113 ON SEP 19	7 360	1958
1959	---	0.606 ON APR 04	0.159 ON APR 01	5 950	1959
1960	---	0.476 ON OCT 20	0.102 ON OCT 18	5 590	1960
1961	---	0.731 ON MAY 26	0.249E ON OCT 30	8 800	1961
1962	---	0.646 ON AUG 27	0.011 ON SEP 07	6 420	1962
1963	---	0.974 ON MAY 16	0.048 ON OCT 18	9 790	1963
1964	---	0.674 ON JUL 07	0 ON AUG 15 *	7 840	1964
1965	---	0.651E ON OCT 26	0.340B ON APR 01	8 400	1965
1966	---	1.34 ON JUN 11	0.470 ON AUG 08	13 800	1966
1967	---	1.31 ON JUN 18	0.278 ON OCT 20	15 900	1967
1968	---	1.24 ON MAY 26	0.354 ON OCT 17	10 800	1968
1969	---	1.28 ON JUL 11	0.532 ON OCT 29	12 700	1969
1970	---	0.858 ON JUL 14	0.464 ON APR 02	10 800	1970
1971	---	0.917 ON AUG 23	---	---	1971
1972	---	8.52 ON APR 01 *	0.003 ON OCT 04	26 300	1972
1973	---	0.442 ON JUL 01	---	---	1973
1974	---	0.552 ON APR 27	0.210 ON OCT 20	6 330	1974
1975	---	1.69 ON OCT 17	0.102B ON APR 07	6 860	1975
1976	1.21 AT 23:15 MST ON MAY 09	0.951 ON MAY 10	0.317 ON JUL 28	8 360	1976
1977	---	3.77 E ON SEP 28	---	---	1977
1978	2.81 AT 08:25 MST ON JUL 07 *	2.67 ON JUL 07	---	---	1978
1979	---	0.746 ON AUG 10	---	---	1979
1980	---	0.861 ON JUL 05	---	---	1980
1981	---	1.31 ON MAY 16	---	---	1981
1982	1.66 AT 18:50 MST ON AUG 10	1.01 ON JUL 01	0.442 ON AUG 12	12 700	1982
1983	1.48 AT 07:25 MST ON AUG 14	1.14 ON AUG 12	0.188 ON SEP 27	13 800	1983
1984	2.29 AT 21:34 MST ON AUG 02	1.08 B ON OCT 29	0.611 ON AUG 12	14 700	1984
1985	---	0.830 ON MAY 29	0.575 ON AUG 04	12 700	1985
1986	---	1.09 ON JUN 06	0.604 ON APR 13	13 300	1986
1987	---	0.819 ON JUN 20	0.556 ON SEP 30	12 600	1987
1988	---	1.11 ON JUN 07	0.635B ON APR 01	14 000	1988
1989	---	0.901 ON JUN 22	0.597 ON SEP 20	13 600	1989
1990	---	0.976 ON APR 26	0.254 ON SEP 02	10 300	1990
				11 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	1.01	1.84	1.66	1.29	1.41	1.30	---	---	1.45	1973
1974	---	---	---	---	0.911	1.67	1.76	1.89	1.76	1.44	---	---	1.57	1974
1975	---	---	---	---	0.797	0.991	1.46	1.90	1.65	1.77	---	---	1.43	1975
1976	---	---	---	---	1.20	1.99	1.62	1.54	1.42	1.09	---	---	1.49	1976
1977	---	---	---	---	1.05	1.38	0.972	1.03	1.40	1.49	---	---	1.22	1977
1978	---	---	---	---	0.689	0.551	1.67	2.58	2.37	1.40	---	---	1.54	1978
1979	---	---	---	---	0.620	1.31	0.671	1.26	1.07	0.895	---	---	0.970	1979
1980	---	---	---	---	1.47	0.976	1.34	1.75	1.49	1.22	---	---	1.37	1980
1981	---	---	---	---	2.00	2.05	2.39	2.42	1.97	1.88	---	---	2.12	1981
1982	---	---	---	---	0.949	1.65	2.31	1.48	1.61	1.14	---	---	1.52	1982
1983	---	---	---	---	0.871	1.10	1.13	1.75	1.03	0.707	---	---	1.10	1983
1984	---	---	---	---	0.956	1.32	0.611	0.819	1.09	0.850	---	---	0.937	1984
1985	---	---	---	---	0.805	1.11	0.505	0.744	1.10	0.850	---	---	0.849	1985
1986	---	---	---	---	0.805	0.911	1.08	1.24	1.55	0.992	---	---	1.10	1986
1987	---	---	---	---	0.989	0.884	1.41	1.38	1.33	1.00	---	---	1.17	1987
1988	---	---	---	---	0.853	1.46	1.07	1.58	1.26	0.934	---	---	1.19	1988
1989	---	---	---	---	1.00	1.34	0.806	1.28	1.55	1.30	---	---	1.21	1989
1990	---	---	---	---	1.43	1.15	0.944	1.08	0.907	0.991	---	---	1.08	1990
MEAN	---	---	---	---	1.02	1.32	1.30	1.50	1.46	1.18	---	---	1.30	MEAN

LOCATION - LAT 49 54 00 N
LONG 112 30 20 W
DRAINAGE AREA, 5 920 km²
REGULATED

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973					
1974	---	4.56 ON JUN 16	0.187E ON MAY 01	23 000	1973
		3.09 ON AUG 13	0.326 ON OCT 31	25 000	1974
1975	---	3.11 ON OCT 19	0.399 ON MAY 29	22 700	1975
1976	3.54 AT 13:10 MST ON AUG 06	3.17 ON AUG 06	0.396 ON OCT 30	23 700	1976
1977	4.05 AT 09:15 MST ON SEP 29	3.60 ON SEP 29	0.246 ON AUG 07	19 400	1977
1978	7.31 AT 01:55 MST ON AUG 23 *	5.52 ON AUG 23	0.301 ON JUN 05	24 500	1978
1979	---	3.47 ON AUG 22	0.215 ON AUG 02	15 400	1979
1980	---	6.32 ON MAY 25	0.124 ON OCT 31 *	21 800	1980
1981	---	4.92 ON JUN 14	0.221 ON OCT 31	13 700	1981
1982	---	12.6 ON JUL 02 *	0.584E ON MAY 01	24 200	1982
1983	---	3.38 ON AUG 13	0.404 ON JUL 15	17 500	1983
1984	---	2.04 ON JUN 23	0.174 ON JUL 14	14 900	1984
1985	---	2.22 ON SEP 13	0.212 ON JUL 18	13 500	1985
1986	---	2.69 ON SEP 26	0.418 ON MAY 31	17 400	1986
1987	---	3.13E ON JUL 19	0.528 ON MAY 07	18 500	1987
1988	---	2.70 ON JUN 09	0.534 ON MAY 23	19 000	1988
1989	---	2.70 ON JUN 10	0.397 ON JUL 12	19 200	1989
1990	---	3.81 ON MAY 25	0.347 ON OCT 29	17 200	1990
				20 600	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	7.78	4.82	2.69	2.34	2.09	---	---	---	1978
1979	---	---	---	---	2.87	4.71	2.89	1.91	1.51	1.23	---	---	2.51	1979
1980	---	---	---	---	4.36	8.32	3.01	2.90	2.57	2.04	---	---	3.85	1980
1981	---	---	---	---	6.39	6.91	6.05	3.43	1.96	1.46	---	---	4.32	1981
1982	---	---	---	---	2.12	6.79	3.04	1.76	1.62	1.58	---	---	2.80	1982
1983	---	---	---	---	1.11	4.42	1.14	1.78	1.38	1.18	---	---	2.53	1983
1984	---	---	---	---	1.97	4.70	2.61	1.64	1.36	1.44	---	---	2.20	1984
1985	---	---	---	---	2.63	3.70	2.13	2.66	3.21	1.82	---	---	2.68	1985
1986	---	---	---	---	4.97	7.68	3.95	2.61	2.02	2.03	---	---	3.87	1986
1987	---	---	---	---	3.02	3.17	3.39	2.35	1.59	1.32	---	---	2.47	1987
1988	---	---	---	---	2.83	4.76	2.16	3.15	2.11	1.88	---	---	2.81	1988
1989	---	---	---	---	2.42	5.16	2.86	2.07	2.41	1.58	---	---	2.74	1989
1990	---	---	---	---	5.25	8.46	5.37	3.26	2.02	1.72	---	---	4.34	1990
MEAN	---	---	---	---	3.46	5.89	3.51	2.45	2.01	1.64	---	---	3.09	MEAN

LOCATION - LAT 50 47 42 N
LONG 114 55 00 W
DRAINAGE AREA, 129 km²
NATURAL FLOW

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	19.0 AT 20:00 MST ON JUN 05	14.2 ON JUN 05	---	---	1978
1979	13.4 AT 23:00 MST ON MAY 26	9.64 ON MAY 27	1.11 ON OCT 30	39 900	1979
1980	17.3 AT 20:00 MST ON JUN 10	13.6 ON JUN 10	1.74 A ON OCT 31	61 200	1980
1981	---	23.0 E ON MAY 26	1.31 ON MAY 08	68 600	1981
1982	11.8 AT 20:39 MST ON JUN 13	10.1 ON JUN 16	0.981 ON MAY 06	44 600	1982
1983	11.4 AT 20:29 MST ON MAY 29	8.58 ON MAY 29	1.09 ON OCT 28	40 200	1983
1984	8.22 AT 19:49 MST ON MAY 30	6.71 ON JUN 15	0.852 ON MAY 01 *	35 000	1984
1985	9.16 AT 19:35 MST ON SEP 12	7.44 ON SEP 13	0.880 ON MAY 01	42 700	1985
1986	24.6 AT 21:59 MST ON MAY 28	19.8 ON MAY 29	0.898 ON MAY 02	61 500	1986
1987	7.76 AT 17:58 MST ON JUN 16	6.91 ON JUN 16	1.20 ON OCT 28	39 300	1987
1988	20.0 AT 23:09 MST ON JUN 07	12.0 ON JUN 08	1.14 ON MAY 03	44 600	1988
1989	8.98 AT 05:20 MST ON JUN 09	8.25 ON JUN 09	1.27 E ON MAY 01	43 500	1989
1990	38.6 AT 21:59 MST ON MAY 25 *	27.0 ON MAY 26 *	1.18 ON MAY 01	69 000	1990
				49 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.118	8.81	1.73	0.305	0.392	0.019	0	0	---	---	1.40	1963
1964	---	---	0	0.295	1.19	0.114	0.201	0.234	0.594	0.287	---	---	0.364	1964
1965	---	---	0.010	8.06	3.40	7.48	3.24	0.255	0.279	0.129	---	---	2.83	1965
1966	---	---	0.727	3.03	2.46	1.52	1.25	1.29	0.483	0.194	---	---	1.37	1966
1967	---	---	0	1.49	2.89	0.555	0.017	0.004	0	0	---	---	0.543	1967
1968	---	---	0.768	0.257	0.850	0.021	0.003	0.008	0.010	0.119	---	---	0.256	1968
1969	---	---	0.003	4.17	0.429	0.057	0.033	0.657	0.753	0.167	---	---	0.773	1969
1970	---	---	0.344	3.93	0.916	0.185	0.290	0.063	0.004	0.012	---	---	0.709	1970
1971	---	---	0.014	5.90	1.02	4.16	10.8	0.335	0.123	0.150	---	---	2.80	1971
1972	---	---	0.610	5.73	3.25	2.54	0.464	0.287	0.045	---	---	---	---	1972
1973	---	---	0.240	2.56	1.88	2.86	0.538	0.386	0.413	0.762	---	---	1.20	1973
1974	---	---	0.114	17.3	6.70	0.630	3.02	0.339	0.167	0.121	---	---	3.52	1974
1975	---	---	0.039	2.42	1.60	2.78	0.739	0.195	0.167	0.163	---	---	1.00	1975
1976	---	---	0.527	2.21	0.263	0.175	0.094	0.602	0.536	0.195	---	---	0.580	1976
1977	---	---	0.321	2.71	6.65	1.68	3.47	0.545	1.01	0.279	---	---	2.09	1977
1978	---	---	1.15	1.69	1.46	2.10	2.14	0.403	2.60	0.574	---	---	1.51	1978
1979	---	---	2.09	3.80	4.22	4.03	5.39	0.242	0.034	0.051	---	---	2.48	1979
1980	---	---	0.062	3.53	0.554	5.56	0.890	0.667	0.660	0.308	---	---	1.51	1980
1981	---	---	1.71	1.38	0.881	0.578	0.412	0.150	0.024	0.075	---	---	0.651	1981
1982	---	---	0.010	5.12	2.18	0.370	2.44	0.363	0.263	0.174	---	---	1.36	1982
1983	---	---	0.029	1.38	0.285	0.965	3.03	0.098	0.014	0.057	---	---	0.732	1983
1984	---	---	0.124	0.443	1.18	1.68	0.069	0	0.156	0.336	---	---	0.496	1984
1985	---	---	1.76	2.81	0.929	3.03	0.538	0.210	1.07	0.471	---	---	1.34	1985
1986	---	---	2.14	4.13	2.15	1.02	3.65	0.112	0.135	0.374	---	---	1.71	1986
1987	---	---	0.271	1.51	0.732	0.141	0.031	0.110	0.011	0.012	---	---	0.350	1987
1988	---	---	0.077	0.257	0.135	0.885	2.92	0.398	0.127	0.098	---	---	0.614	1988
1989	---	---	0.005	2.05	1.15	0.523	2.44	7.60	0.773	0.241	---	---	1.86	1989
1990	---	---	0.626	0.772	0.724	0.843	3.31	0.039	0.100	0.077	---	---	0.814	1990
MEAN	---	---	0.496	3.49	1.83	1.67	1.85	0.560	0.377	0.201	---	---	1.29	MEAN

LOCATION - LAT 53 57 51 N LONG 115 10 29 W
DRAINAGE AREA, 298 km²
NATURAL FLOW

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	34.8 A ON APR 16	32.0 A ON APR 16	0 B ON MAR 01 *	29 700	1963
1964	---	6.06 ON MAY 07	0 B ON MAR 01	7 710	1964
1965	---	66.3 ON JUN 28	0 ON AUG 24	59 800	1965
1966	---	14.0 B ON APR 01	0.003B ON MAR 01	28 900	1966
1967	---	5.80 ON APR 25	0 B ON MAR 01	11 500	1967
1968	---	7.14 ON MAY 07	0 ON JUL 01	5 430	1968
1969	---	16.3 ON APR 12	0.003B ON MAR 01	16 400	1969
1970	---	7.22A ON APR 15	0 ON SEP 26	15 000	1970
1971	84.4 AT 17:00 MST ON JUL 11	63.4 ON JUL 11	0 B ON MAR 01	42 300	1971
1972	21.0 AT 17:00 MST ON MAY 19	17.8 ON JUN 26	---	59 300	1972
1973	16.8 AT 10:00 MST ON JUN 26	14.6 ON JUN 26	0.031B ON MAR 01	---	1973
1974	54.0 ON JUL 13	48.7 ON APR 18	0.048 ON SEP 05	25 300	1974
1975	34.5 AT 07:30 MST ON JUN 29	30.6 ON JUN 29	0.014B ON APR 05	74 500	1975
1976	---	4.93B ON APR 07	0.026B ON MAR 01	21 200	1976
1977	51.0 AT 00:30 MST ON MAY 30	37.9 ON MAY 29	0.059B ON MAR 25	12 300	1977
1978	29.2 AT 03:00 MST ON JUL 12	18.3 ON JUL 12	0.031B ON MAR 01	44 300	1978
1979	32.4 AT 00:50 MST ON JUN 15	26.3 ON JUL 12	0.011B ON MAR 03	31 900	1979
1980	35.7 ON JUN 17	23.1 R ON JUN 18	0.010RB ON MAR 03	52 500	1980
1981	7.14 AT 23:30 MST ON MAR 15	5.48B ON MAR 15	0.004 ON AUG 28	31 900	1981
1982	31.9 AT 18:35 MST ON APR 23	31.0 B ON APR 23	0.003B ON MAR 01	13 800	1982
1983	31.0 AT 14:55 MST ON JUL 09	23.8 R ON JUL 09	0.003 ON SEP 20	20 800	1983
1984	17.6 AT 20:55 MST ON JUN 08	15.2 R ON JUN 08	0 ON JUL 31	15 500	1984
1985	38.9 AT 03:25 MST ON JUN 25	30.9 ON JUN 25	0.081 ON AUG 03	10 500	1985
1986	45.9 AT 22:57 MST ON JUL 18	30.6 ON JUL 19	0 ON SEP 02	28 300	1986
1987	---	5.25B ON APR 01	0 E ON OCT 29	36 300	1987
1988	48.8 AT 08:05 MST ON JUL 07	37.5 ON JUL 07	0.007B ON MAR 02	7 410	1988
1989	150 A AT 05:00 MST ON AUG 03 *	99.8 A ON AUG 03 *	0.004B ON MAR 11	13 000	1989
1990	68.5 AT 03:48 MST ON JUL 04	48.0 ON JUL 04	0.006 ON OCT 01	39 300	1990
				17 200	1990
				27 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	---	1.67	0.842	0.936	0.632	0.385	---	1960
1961	0.776	0.532	2.70	3.34	6.81	1.31	0.778	1.42	0.602	1.55	0.530	0.155	1.72	1961
1962	0.145	0.038	3.48	7.78	5.73	3.46	5.91	2.84	2.00	1.08	1.37	0.670	2.89	1962
1963	0.115	3.03	5.78	5.63	4.32	5.64	5.61	3.05	1.59	0.774	0.291	0.201	2.66	1963
1964	0.210	0.073	0.781	4.96	17.9	12.4	10.6	1.56	1.82	1.60	1.80	0.682	4.55	1964
1965	0.185	0.099	8.00	32.7	4.21	17.0	32.7	10.2	13.1	7.68	3.53	1.94	11.0	1965
1966	1.14	1.00	9.13	8.69	9.38	21.5	18.4	6.65	3.09	3.39	2.44	1.35	6.39	1966
1967	1.23	0.993	1.17	16.1	22.4	21.3	4.58	2.24	1.02	1.41	1.15	0.419	6.17	1967
1968	0.460	1.74	3.74	3.90	2.99	4.86	2.87	3.43	2.21	3.30	1.82	0.686	2.67	1968
1969	0.564	0.416	0.615	25.7	9.31	9.70	24.6	4.21	2.73	2.60	2.30	1.00	7.00	1969
1970	0.509	0.316	3.75	8.19	7.55	25.2	12.5	2.48	1.80	1.98	0.893	0.371	5.47	1970
1971	0.519	0.913	1.48	34.8	5.33	14.0	3.25	0.939	0.804	1.12	0.874	0.199	5.31	1971
1972	0.078	0.048	8.84	8.16	4.66	11.4	9.38	3.60	2.39	2.20	0.983	0.330	4.34	1972
1973	0.344	0.538	8.61	24.0	15.6	10.2	5.49	2.41	2.30	2.69	1.00	0.902	6.10	1973
1974	0.674	0.629	0.754	27.9	31.3	8.59	3.77	2.42	2.11	2.08	1.26	0.561	6.86	1974
1975	0.327	0.198	0.374	11.3	7.67	2.48	1.12	0.958	0.624	0.617	0.278	0.210	2.18	1975
1976	0.318	0.429	0.629	4.79	2.16	1.60	0.504	2.39	0.854	0.891	0.570	0.343	1.29	1976
1977	0.360	0.427	0.571	2.63	6.34	3.24	1.31	1.88	1.91	1.73	0.634	0.157	1.77	1977
1978	0.107	0.091	4.71	12.1	8.38	7.51	3.59	4.07	5.01	2.74	1.74	0.924	4.25	1978
1979	0.325	0.153	10.5	11.3	7.52	4.25	1.85	1.25	0.915	0.895	0.386	0.323	3.32	1979
1980	0.080	0.029	0.180	9.44	3.27	8.44	3.47	2.23	1.66	1.36	1.27	0.787	2.67	1980
1981	0.922	0.320	2.25	2.86	16.5	7.39	9.36	10.2	4.77	2.61	1.53	0.335	4.80	1981
1982	0.026	0.017	0.135	8.96	5.80	6.49	10.7	2.80	2.37	2.66	1.01	0.369	3.46	1982
1983	0.356	0.451	1.57	7.49	5.98	2.53	7.18	0.965	0.757	0.994	0.990	0.234	2.47	1983
1984	0.113	0.481	1.49	2.83	1.59	4.78	0.379	0.256	0.681	0.804	0.530	0.171	1.17	1984
1985	0.086	0.048	3.91	4.78	3.29	1.76	0.280	0.603	4.97	2.12	0.939	0.293	1.93	1985
1986	0.186	0.926	3.46	3.49	16.7	5.00	18.0	5.47	11.5	14.6	4.30	1.79	7.10	1986
1987	1.49	1.53	2.26	6.87	3.61	1.43	3.74	4.03	2.54	1.44	1.46	0.436	2.57	1987
1988	0.020	0	0.939	4.87	1.44	1.75	1.26	6.32	2.77	2.04	0.916	0.283	1.89	1988
1989	0.196	0.059	0.070	10.1	5.60	3.75	2.54	3.96	4.24	1.94	1.13	0.567	2.85	1989
1990	0.361	0.019	4.22	8.05	14.5	33.2	8.59	8.71	3.25	2.34	1.33	0.787	7.13	1990
MEAN	0.408	0.518	3.10	10.8	8.53	8.41	7.14	3.39	2.75	2.36	1.29	0.575	4.13	MEAN

LOCATION - LAT 52 01 40 N
LONG 114 08 20 W
DRAINAGE AREA, 2 560 km²
NATURAL FLOW

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	13.4 AT 17:00 MST ON MAY 04	12.7 ON MAY 05	0.003B ON DEC 29	54 300	1961
1962	---	15.3 ON JUL 09	0.003B ON JAN 26	91 100	1962
1963	---	15.5 ON JUN 24	0.011B ON FEB 05	83 800	1963
1964	---	117 ON MAY 07	0.025B ON FEB 20	144 000	1964
1965	---	79.9 ON JUL 09	0.085B ON FEB 21	346 000	1965
1966	---	109 ON JUL 04	0.988B ON FEB 13	201 000	1966
1967	---	87.5 ON JUN 01	0.258B ON DEC 31	194 000	1967
1968	---	15.6 ON JUN 09	0.207B ON JAN 08	84 400	1968
1969	---	128 B ON APR 04	0.309B ON FEB 20	221 000	1969
1970	---	150 ON JUN 17 *	0.283B ON FEB 14	172 000	1970
1971	---	104 ON APR 15	0.093B ON DEC 30	168 000	1971
1972	---	74.8 ON JUN 26	0.028B ON MAR 09	137 000	1972
1973	---	57.5 ON APR 12	0.255B ON JAN 01	192 000	1973
1974	---	88.9A ON APR 17	0.425B ON DEC 30	216 000	1974
1975	45.3 AT 12:00 MST ON APR 20	40.2 ON APR 20	0.176B ON NOV 20	68 700	1975
1976	---	17.4 ON APR 10	0.283B ON JAN 01	40 700	1976
1977	14.3 AT 00:30 MST ON MAY 31	13.4 ON MAY 31	0.144B ON NOV 24	55 900	1977
1978	---	39.4B ON MAR 30	0.088B ON MAR 01	134 000	1978
1979	38.0B AT 14:30 MST ON APR 11	25.0B ON APR 12	0.060B ON FEB 21	105 000	1979
1980	33.5 AT 07:30 MST ON APR 16	27.8 ON APR 16	0.020B ON FEB 26	84 500	1980
1981	45.7 AT 24:00 MST ON JUL 31	38.3 ON AUG 01	0.050B ON DEC 31	151 000	1981
1982	46.5 AT 06:00 MST ON JUL 06	25.2 ON JUL 06	0.006B ON MAR 14	109 000	1982
1983	56.8 AT 06:57 MST ON APR 26	45.0 ON APR 26	0.100B ON DEC 26	77 900	1983
1984	22.6 AT 16:45 MST ON JUN 10	21.1 ON JUN 10	0.040E ON SEP 04	36 900	1984
1985	28.3 AT 14:55 MST ON SEP 14	26.0 ON SEP 14	0.020B ON MAR 08	60 700	1985
1986	106 AT 11:47 MST ON JUL 19	96.4 ON JUL 19	0.117B ON FEB 16	224 000	1986
1987	14.5 AT 12:40 MST ON APR 23	12.2 ON APR 23	0.060B ON DEC 31	81 100	1987
1988	28.0 AT 17:02 MST ON AUG 18	23.5 ON AUG 19	0 B ON JAN 26 *	59 600	1988
1989	---	25.4A ON APR 12	0.030B ON FEB 17	89 900	1989
1990	136 AT 00:23 MST ON JUN 04 *	116 ON JUN 03	0.008B ON FEB 15	225 000	1990
				130 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	---	---	0.510	---	---	---	---	1961
1962	---	---	0.064	---	---	---	---	2.14	1.25	0.580	---	---	---	1962
1963	---	---	0.100	2.02	1.22	---	---	---	---	0.571	---	---	---	1963
1964	---	---	0.089	1.45	8.06	5.54	6.47	0.851	0.889	0.700	---	---	3.01	1964
1965	---	---	0.138	3.56	2.01	9.64	13.9	5.20	5.27	3.32	---	---	5.37	1965
1966	---	---	1.04	1.20	3.41	5.12	5.75	2.52	1.04	0.714	---	---	2.60	1966
1967	---	---	0.405	0.771	9.29	9.35	1.85	0.858	0.392	0.505	---	---	2.92	1967
1968	---	---	0.573	0.891	1.21	2.39	1.10	1.77	1.17	1.66	---	---	1.34	1968
1969	---	---	0.619	4.40	4.88	7.83	14.0	2.11	1.08	0.942	---	---	4.49	1969
1970	---	---	0.291	1.57	3.57	8.88	3.17	0.739	0.680	0.667	---	---	2.43	1970
1971	---	---	0.197	3.35	1.41	4.47	1.22	0.404	0.440	0.413	---	---	1.47	1971
1972	---	---	0.370	1.35	2.17	6.36	5.01	1.79	1.50	0.982	---	---	2.43	1972
1973	---	---	0.684	4.81	9.30	6.24	2.21	1.04	0.898	0.781	---	---	2.99	1973
1974	---	---	0.323	5.76	13.8	4.08	1.75	1.30	1.05	0.966	---	---	3.63	1974
1975	---	---	0.083	0.978	2.65	1.16	0.718	0.561	0.330	0.336	---	---	0.852	1975
1976	---	---	---	4.06	1.49	1.19	0.438	1.85	0.678	0.402	---	---	---	1976
1977	---	---	0.164	1.26	---	---	0.693	1.18	1.18	0.795	---	---	---	1977
1978	---	---	0.969	4.16	4.52	4.09	2.29	1.87	2.70	1.35	---	---	2.73	1978
1979	---	---	1.06	3.18	4.10	1.94	0.913	0.851	0.598	0.493	---	---	1.64	1979
1980	---	---	0.080	3.02	2.39	5.05	1.89	1.20	1.18	0.914	---	---	1.95	1980
1981	---	---	0.481	1.11	9.88	4.44	6.84	6.71	1.60	1.40	---	---	4.08	1981
1982	---	---	0.354	1.59	2.34	3.30	4.02	1.15	1.06	0.940	---	---	1.84	1982
1983	---	---	0.448	3.22	3.03	1.96	5.08	0.603	0.338	0.474	---	---	1.89	1983
1984	---	---	0.373	0.794	0.725	2.43	0.326	0.190	0.353	0.420	0.219	0.135	0.695	1984
1985	0.066	0.079	0.173	1.50	1.67	0.977	0.220	0.420	2.95	1.55	---	---	1.17	1985
1986	---	---	0.663	1.36	8.09	3.17	11.3	2.78	5.00	5.72	---	---	4.47	1986
1987	---	---	0.769	1.92	0.929	0.590	2.43	2.68	1.55	0.768	---	---	1.46	1987
1988	---	---	0.583	1.54	0.495	0.922	0.533	4.19	1.74	0.939	---	---	1.37	1988
1989	---	---	0.159	3.10	3.02	1.78	1.39	2.63	2.51	0.954	---	---	1.94	1989
1990	---	---	0.422	1.84	9.53	12.5	3.22	5.57	1.63	1.03	---	---	4.46	1990
MEAN	0.066	0.079	0.417	2.21	4.27	4.44	3.66	1.97	1.43	1.08	0.219	0.135	2.54	MEAN

LOCATION - LAT 51 30 41 N LONG 114 40 19 W DRAINAGE AREA, 449 km^2 NATURAL FLOW

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	43.0 ON MAY 07	0.020B ON MAR 01 *	63 700	1964
1965	---	43.6 ON JUL 22	0.113B ON MAR 01	114 000	1965
1966	28.0 AT 18:00 MST ON JUL 03	22.8 ON JUL 03	0.235B ON OCT 31	55 100	1966
1967	73.1 AT 05:00 MST ON MAY 31	58.6 ON MAY 31	0.337B ON MAR 01	61 800	1967
1968	8.98 AT 15:45 MST ON JUN 08	7.05 ON JUN 08	0.133B ON MAR 01	28 400	1968
1969	85.5 AT 16:00 MST ON JUN 29	64.3 ON JUN 29	0.221B ON MAR 01	94 900	1969
1970	70.5 AT 15:35 MST ON JUN 16	52.4 ON JUN 16	0.198B ON MAR 01	51 500	1970
1971	21.4 AT 01:00 MST ON JUN 07	17.0 ON JUN 07	0.142B ON MAR 05	31 100	1971
1972	50.1 AT 17:00 MST ON JUN 25	39.9 ON JUN 25	0.057B ON MAR 01	51 500	1972
1973	44.5 AT 23:45 MST ON MAY 26	35.4 ON MAY 27	0.269RB ON MAR 12	63 300	1973
1974	34.5 AT 01:40 MST ON MAY 01	24.2 ON MAY 01	0.275B ON MAR 16	76 900	1974
1975	11.1 AT 04:30 MST ON MAY 08	9.20 ON MAY 08	0.034B ON MAR 01	18 000	1975
1976	8.83 AT 02:30 MST ON AUG 10	7.76 ON AUG 10	---	---	1976
1977	10.8 A AT 22:00 MST ON MAY 17	9.54A ON MAY 16	---	---	1977
1978	28.0 AT 24:00 MST ON APR 28	18.0 ON APR 29	0.150B ON MAR 01	57 800	1978
1979	12.6 B AT 18:00 MST ON APR 25	8.48B ON APR 08	0.080B ON MAR 08	34 700	1979
1980	14.4 AT 05:00 MST ON JUN 05	13.3 ON JUN 05	0.062B ON MAR 01	41 300	1980
1981	40.2 AT 21:30 MST ON JUL 30	25.1 ON JUL 30	0.062B ON MAR 07	86 300	1981
1982	10.1 AT 07:21 MST ON JUL 05	9.50 ON JUL 05	0.175B ON MAR 03	39 000	1982
1983	46.8 AT 06:11 MST ON APR 25	27.4 ON APR 25	0.225B ON MAR 08	40 100	1983
1984	13.2 AT 07:03 MST ON JUN 09	11.8 ON JUN 09	0.099 ON AUG 23	14 700	1984
1985	18.9 AT 08:02 MST ON SEP 13	16.6 ON SEP 13	0.029 ON JUL 12	24 900	1985
1986	99.0 AT 22:51 MST ON JUL 17	65.0 ON JUL 17	0.330B ON MAR 25	101 000	1986
1987	7.36 AT 21:53 MST ON JUL 19	6.39 ON JUL 20	0.221 ON JUN 15	30 800	1987
1988	23.9 AT 11:09 MST ON AUG 17	16.8 ON AUG 17	0.048B ON MAR 15	29 000	1988
1989	10.7 AT 08:17 MST ON MAY 02	9.98 ON MAY 02	0.115B ON MAR 03	41 000	1989
1990	120 AT 12:24 MST ON JUN 02 *	83.1 ON JUN 02 *	0.050B ON MAR 08	94 500	1990
				53 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	6.60	4.94	2.41	3.14	---	---	---	1967
1968	---	---	3.24	7.07	41.4	37.2	16.8	36.1	13.3	7.78	---	---	20.4	1968
1969	---	---	2.31	31.5	25.6	7.53	8.98	16.7	13.8	11.0	---	---	14.7	1969
1970	---	---	2.76	18.0	47.7	13.6	7.92	5.59	2.37	3.11	---	---	12.6	1970
1971	---	---	1.53	29.0	28.7	74.6	117	16.6	11.8	17.3	---	---	37.0	1971
1972	---	---	4.93	28.7	70.3	60.3	28.5	24.4	10.6	26.7	---	---	31.8	1972
1973	---	---	3.56	28.2	78.2	30.5	14.6	19.9	8.64	18.5	---	---	25.3	1973
1974	---	---	3.26	50.5	114	14.7	10.8	5.30	5.52	4.58	---	---	26.1	1974
1975	---	---	2.22	10.3	35.8	14.7	21.7	5.70	4.36	3.31	---	---	12.3	1975
1976	---	---	2.06	32.1	28.1	18.7	16.2	56.4	29.4	9.13	---	---	24.0	1976
1977	---	---	3.53	29.0	90.8	51.3	66.4	35.6	27.7	20.8	---	---	40.6	1977
1978	---	---	4.17	12.3	39.5	62.5	27.6	16.3	44.6	12.8	---	---	27.3	1978
1979	---	---	4.43	10.8	71.2	59.7	52.6	10.9	6.46	5.86	---	---	27.8	1979
1980	---	---	2.52	26.1	28.4	97.7	46.7	15.6	24.8	10.7	---	---	31.3	1980
1981	---	---	5.45	19.2	41.7	46.9	16.2	12.3	4.43	4.00	---	---	18.7	1981
1982	---	---	3.24	4.30	98.4	28.3	111	56.4	22.4	13.4	---	---	42.4	1982
1983	---	---	3.24	10.9	16.4	34.4	89.5	21.7	12.7	8.15	---	---	24.7	1983
1984	---	---	4.11	22.4	68.0	35.8	11.2	6.46	60.9	22.0	---	---	28.7	1984
1985	---	---	5.28	29.9	27.6	21.9	9.29	6.70	20.7	25.5	---	---	18.3	1985
1986	---	---	3.59	33.1	54.2	26.1	50.3	11.0	11.3	29.3	---	---	27.4	1986
1987	---	---	3.26	15.9	18.4	9.76	4.16	63.7	16.9	7.26	---	---	17.5	1987
1988	---	---	4.34	9.39	7.56	36.0	23.9	4.55	2.85	3.40	---	---	11.4	1988
1989	---	---	1.77	10.0	48.9	37.3	97.7	67.4	23.2	10.7	---	---	37.3	1989
1990	---	---	3.94	14.8	31.0	93.4	32.5	6.40	6.80	5.34	---	---	24.1	1990
MEAN	---	---	3.42	21.0	48.3	39.7	37.0	21.9	16.2	11.8	---	---	25.3	MEAN

LOCATION - LAT 54 44 24 N, LONG 117 10 46 W DRAINAGE AREA, 3 010 km^2, NATURAL FLOW

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	106 AT 20:00 MST ON JUN 14	93.4 ON JUN 15	2.10B ON MAR 01	432 000	1968
1969	---	68.5 ON APR 19	1.84B ON MAR 01	310 000	1969
1970	---	79.3 ON MAY 12	1.42 ON SEP 03	268 000	1970
1971	337 AT 06:00 MST ON JUL 13	323 ON JUL 13	1.05B ON MAR 15 *	784 000	1971
1972	253 AT 11:30 MST ON JUN 26	253 ON JUN 26	2.44B ON MAR 01	673 000	1972
1973	168 AT 07:00 MST ON MAY 29	158 ON MAY 29	2.09B ON MAR 17	535 000	1973
1974	227 AT 11:00 MST ON MAY 12	222 ON MAY 12	3.11B ON MAR 07	553 000	1974
1975	83.3 AT 02:00 MST ON JUL 01	79.9 ON JUL 01	1.95B ON MAR 03	260 000	1975
1976	143 AT 00:30 MST ON AUG 19	133 ON AUG 19	1.84B ON MAR 19	508 000	1976
1977	218 AT 07:00 MST ON MAY 07	215 ON MAY 07	3.00B ON MAR 22	859 000	1977
1978	272 AT 05:30 MST ON JUN 16	254 ON JUN 16	2.94B ON MAR 01	578 000	1978
1979	188 AT 14:00 MST ON JUL 13	180 ON JUL 13	3.68B ON MAR 01	588 000	1979
1980	250 AT 06:30 MST ON JUN 06	248 ON JUN 06	2.25B ON MAR 25	664 000	1980
1981	138 AT 07:00 MST ON JUN 03	134 ON JUN 03	3.22 ON OCT 07	396 000	1981
1982	445 E AT 21:00 MST ON JUL 16 *	388 ON JUL 17 *	2.89B ON MAR 05	898 000	1982
1983	195 AT 08:30 MST ON JUL 27	193 ON JUL 27	2.95B ON MAR 03	522 000	1983
1984	180 AT 19:00 MST ON MAY 17	170 ON MAY 18	3.40B ON MAR 15	608 000	1984
1985	86.8 AT 20:30 MST ON JUN 25	74.8 ON JUN 25	2.63 ON AUG 05	387 000	1985
1986	159 AT 09:30 MST ON JUL 19	156 ON JUL 19	2.50B ON MAR 01	580 000	1986
1987	369 ON AUG 04	324 ON AUG 05	2.80B ON MAR 11	370 000	1987
1988	151 AT 23:30 MST ON JUN 12	143 A ON JUN 13	1.35A ON SEP 07	242 000	1988
1989	266 AT 13:00 MST ON JUL 03	256 ON JUL 03	1.32B ON MAR 19	789 000	1989
1990	330 AT 16:00 MST ON JUN 13	315 ON JUN 13	2.90B ON MAR 01	510 000	1990
				535 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	16.8	16.6	6.33	---	1959
1960	3.55	3.44	6.23	51.1	120	164	65.6	17.8	8.50	6.57	5.23	2.82	37.9	1960
1961	2.99	2.19	3.75	13.4	48.2	30.1	120	19.1	4.55	13.9	14.4	5.20	23.4	1961
1962	2.75	1.66	5.76	217	262	76.6	69.8	19.4	53.6	18.5	12.5	7.48	64.2	1962
1963	7.82	5.99	8.44	310	217	50.4	17.6	13.7	10.3	10.1	1.82	1.30	54.5	1963
1964	2.24	3.34	5.16	34.7	---	---	---	334	114	66.0	18.8	11.3	---	1964
1965	7.47	6.17	6.66	226	228	160	229	118	110	42.3	15.4	10.6	97.0	1965
1966	4.12	5.29	5.37	119	239	76.9	49.3	100	77.9	17.9	11.6	8.28	59.9	1966
1967	4.60	4.78	5.88	60.3	177	99.9	18.6	10.7	5.28	5.40	3.55	1.66	33.2	1967
1968	2.08	3.38	6.32	21.8	82.3	110	36.0	50.5	21.9	13.6	7.21	5.34	30.0	1968
1969	2.76	1.62	2.94	108	73.7	17.9	13.8	19.1	32.1	21.3	12.4	7.75	26.1	1969
1970	4.68	4.35	5.05	109	130	47.9	24.8	19.6	9.77	7.65	3.43	3.06	30.8	1970
1971	3.59	3.35	4.48	117	79.8	210	347	47.1	20.2	35.7	12.7	12.3	74.8	1971
1972	6.36	5.43	11.8	119	228	128	82.3	55.0	21.7	34.0	25.8	14.2	61.1	1972
1973	8.10	7.04	7.78	125	184	125	46.7	47.1	24.1	40.6	19.1	11.1	54.9	1973
1974	8.59	7.53	7.41	289	355	53.3	39.0	10.9	12.5	9.37	4.63	4.63	67.0	1974
1975	4.70	4.74	4.73	39.9	89.0	53.8	71.8	18.4	22.4	11.0	12.4	6.10	28.4	1975
1976	5.19	5.31	4.62	177	82.9	179	108	176	90.3	31.3	16.0	8.31	73.7	1976
1977	7.20	8.62	8.12	137	248	173	143	68.6	50.4	50.5	12.4	7.44	76.5	1977
1978	6.07	4.65	8.02	54.3	114	199	61.6	32.9	113	49.2	17.5	11.9	56.0	1978
1979	6.18	4.48	6.97	66.2	269	229	208	38.9	14.5	11.0	3.75	3.59	72.3	1979
1980	4.41	3.46	3.79	62.1	55.4	192	111	36.0	60.8	38.4	19.9	9.51	49.6	1980
1981	7.84	6.47	10.7	77.5	92.4	91.7	27.5	25.0	5.70	6.64	5.71	1.59	29.9	1981
1982	1.38	1.79	3.25	13.8	187	49.8	164	161	42.7	22.0	9.62	6.83	55.9	1982
1983	4.46	4.70	5.25	19.7	35.5	133	293	90.5	35.6	21.4	19.7	9.47	56.5	1983
1984	6.60	6.75	9.10	48.7	200	126	33.8	13.2	91.1	41.9	20.3	10.7	50.7	1984
1985	7.34	5.61	9.77	112	106	53.5	25.5	13.0	62.1	79.9	21.0	9.43	42.1	1985
1986	7.82	6.80	13.3	130	168	62.3	120	28.9	14.2	64.4	14.9	9.54	53.6	1986
1987	7.38	6.54	6.12	61.1	43.4	27.1	12.5	110	37.2	13.3	7.41	3.23	28.0	1987
1988	2.51	3.52	9.71	30.7	25.4	105	88.4	12.1	5.91	6.21	5.52	2.74	24.8	1988
1989	1.92	2.07	3.11	29.5	181	89.4	243	165	53.8	26.4	21.5	15.6	70.2	1989
1990	11.4	7.42	14.4	65.0	72.6	199	66.9	13.5	13.7	11.3	7.22	6.19	40.7	1990
MEAN	5.29	4.79	6.90	98.3	147	110	97.9	61.5	40.0	26.4	12.5	7.36	50.8	MEAN

LOCATION - LAT 55 27 25 N, LONG 117 09 40 W DRAINAGE AREA, 11 100 km^2 NATURAL FLOW

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1960	399 AT 06:00 MST ON JUN 24	391 ON JUN 24	2.10 B ON DEC 21	1 200 000	1960
1961	648 AT 18:00 MST ON JUL 03	643 ON JUL 03	1.02 B ON FEB 11	739 000	1961
1962	---	547 ON MAY 22	0.651B ON FEB 13 *	2 020 000	1962
1963	---	782B ON APR 20	0.690B ON NOV 04	1 720 000	1963
1964	---	---	1.08 B ON JAN 02	---	1964
1965	1 060A AT 09:00 MST ON APR 29	1 040A ON APR 29 *	4.42 ON JAN 28	3 060 000	1965
1966	691 AT 16:00 MST ON AUG 30	640 ON AUG 30	3.82 B ON JAN 05	1 890 000	1966
1967	334 AT 23:00 MST ON APR 26	286 ON MAY 09	1.25 B ON DEC 22	1 050 000	1967
1968	357 AT 07:10 MST ON JUN 15	354 ON JUN 15	1.42 B ON JAN 08	950 000	1968
1969	---	222B ON APR 16	1.44 B ON FEB 12	825 000	1969
1970	---	210 ON APR 24	1.97 B ON NOV 27	972 000	1970
1971	971 AT 16:00 MST ON JUL 05	934 ON JUL 05	2.76 B ON FEB 10	2 360 000	1971
1972	---	504 ON APR 30	4.76 B ON MAR 02	1 930 000	1972
1973	419 AT 20:00 MST ON APR 29	399 ON APR 30	6.80 B ON FEB 07	1 730 000	1973
1974	929 AT 23:00 MST ON APR 24	892 ON APR 24	3.77 B ON NOV 13	2 110 000	1974
1975	411A AT 05:00 MST ON JUN 30	379A ON JUN 30	3.91 B ON MAR 19	896 000	1975
1976	748 AT 08:00 MST ON JUN 29	714 ON JUN 29	3.96 B ON MAR 17	2 330 000	1976
1977	617E AT 11:00 MST ON MAY 31	609E ON MAY 31	5.38 B ON NOV 22	2 410 000	1977
1978	923A AT 23:00 MST ON JUN 16	835A ON JUN 17	4.08 B ON FEB 21	1 770 000	1978
1979	825 AT 01:00 MST ON JUN 16	729 ON JUN 16	1.46 B ON DEC 01	2 280 000	1979
1980	563E AT 20:00 MST ON JUN 06	545A ON JUN 07	3.25 B ON MAR 04	1 570 000	1980
1981	248 AT 09:00 MST ON JUN 03	238 ON JUN 03	1.28 B ON DEC 31	943 000	1981
1982	705 AT 21:30 MST ON AUG 04	663 ON AUG 05	1.22 B ON JAN 15	1 760 000	1982
1983	1 110 AT 15:00 MST ON JUL 28 *	1 030 ON JUL 28	4.26 B ON JAN 23	1 780 000	1983
1984	661 AT 15:30 MST ON MAY 18	584 ON MAY 19	5.76 B ON JAN 10	1 600 000	1984
1985	243 AT 14:30 MST ON APR 15	217 ON APR 16	4.87 B ON FEB 15	1 330 000	1985
1986	386 AT 02:00 MST ON JUL 20	361 ON JUL 20	6.24 B ON FEB 14	1 690 000	1986
1987	414 AT 20:00 MST ON AUG 05	354 ON AUG 05	2.75 B ON DEC 31	985 000	1987
1988	459 AT 22:00 MST ON JUN 13	420A ON JUN 13	2.01 B ON DEC 30	784 000	1988
1989	862 AT 02:00 MST ON MAY 22	796A ON MAY 22	1.57 B ON JAN 27	2 210 000	1989
1990	782 AT 01:00 MST ON JUN 14	727A ON JUN 14	5.08 B ON DEC 30	1 280 000	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	1 600 000	MEAN

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO. 07GH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	13.3	---	---	---	1953
1954	---	---	6.90	78.2	303	383	56.1	59.9	52.1	28.7	---	---	---	1954
MEAN	---	---	6.90	78.2	303	383	56.1	59.9	52.1	21.0	---	---	---	MEAN

LOCATION - LAT 55 22 40 N, LONG 116 55 40 W DRAINAGE AREA, 10 600 km² NATURAL FLOW

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO. 07GH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	---	1 000 ON JUN 08 *	---	---	1954
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.085	7.08	2.89	4.93	3.10	0.223	0.116	0.032	---	---	2.29	1965
1966	---	---	0.233	1.98	0.420	0.315	0.344	0.538	0.191	0.157	---	---	0.519	1966
1967	---	---	0	1.03	0.601	0.785	0.234	0.039	0	0	---	---	0.332	1967
1968	---	---	0.724	0.295	0.094	0.052	0.237	0.351	0.129	0.164	---	---	0.257	1968
1969	---	---	0	2.28	0.424	0.050	0.496	0.286	0.335	0.256	---	---	0.511	1969
1970	---	---	0.027	2.18	0.445	0.562	0.905	0.269	0.067	0.158	---	---	0.597	1970
1971	---	---	0.054	3.93	0.591	1.10	1.33	0.120	0.065	0.164	---	---	0.917	1971
1972	---	---	0.125	1.82	0.680	0.572	0.375	0.202	0.103	0.145	---	---	0.498	1972
1973	---	---	0.184	4.21	1.06	1.14	2.44	1.92	0.406	0.398	---	---	1.22	1973
1974	---	---	0.142	8.25	2.59	1.43	1.89	0.189	0.105	0.312	---	---	1.85	1974
1975	---	---	0.079	1.90	1.30	0.375	0.237	0.077	0.079	0.063	---	---	0.510	1975
1976	---	---	0.089	1.20	0.135	0.178	0.050	0.332	0.071	0.148	---	---	0.273	1976
1977	---	---	0.059	0.674	2.02	0.481	0.013	0.156	0.141	0.058	---	---	0.450	1977
1978	---	---	0.414	0.770	0.506	0.792	0.437	0.208	0.794	0.521	---	---	0.552	1978
1979	---	---	0.658	1.05	0.823	0.430	0.335	0.111	0.034	0.025	---	---	0.432	1979
1980	---	---	0.062	1.83	0.354	2.69	1.79	1.05	1.43	0.529	---	---	1.21	1980
1981	---	---	0.918	0.475	1.07	0.749	2.86	3.02	0.164	0.083	---	---	1.18	1981
1982	---	---	0.020	4.03	1.35	0.575	8.20	0.662	0.918	0.815	---	---	2.07	1982
1983	---	---	0.480	2.99	0.785	0.351	1.31	0.034	0.099	0.200	---	---	0.777	1983
1984	---	---	0.463	0.677	0.828	0.754	0.031	0.043	0.609	0.296	---	---	0.460	1984
1985	---	---	0.076	4.77	0.826	0.349	0.140	0.404	0.674	0.556	---	---	0.963	1985
1986	---	---	0.931	0.568	3.45	0.289	4.60	0.876	0.518	0.782	---	---	1.51	1986
1987	---	---	0.146	1.37	0.455	0.316	0.425	1.26	0.314	0.187	---	---	0.546	1987
1988	---	---	0.205	0.316	0.094	0.261	0.917	1.06	0.348	0.187	---	---	0.425	1988
1989	---	---	0.064	3.63	1.89	0.334	0.441	0.972	0.318	0.768	---	---	1.05	1989
1990	---	---	0.912	2.52	1.25	3.69	8.95	0.257	0.168	0.412	---	---	2.27	1990
MEAN	---	---	0.275	2.31	1.04	0.906	1.62	0.564	0.315	0.285	---	---	0.910	MEAN

LOCATION - LAT 52 44 20 N LONG 114 08 50 W DRAINAGE AREA, 241 km² NATURAL FLOW

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	27.4 ON JUN 30	0.003 ON OCT 09	48 400	1965
1966	---	13.6 B ON APR 01	0.006B ON MAR 04	11 000	1966
1967	---	3.62 B ON APR 26	0 B ON MAR 01 *	7 030	1967
1968	---	0.847B ON MAR 07	0 ON JUN 16	5 440	1968
1969	---	10.4 ON APR 09	0 B ON MAR 01	10 800	1969
1970	---	6.23 B ON APR 12	0 B ON MAR 01	12 600	1970
1971	---	14.2 ON APR 22	0.001E ON SEP 07	19 400	1971
1972	---	7.48 B ON APR 08	0 ON AUG 29	10 500	1972
1973	17.4 AT 11:00 MST ON JUL 03	16.1 ON JUL 03	0.028B ON MAR 01	25 800	1973
1974	---	25.5 ON APR 23	0.020 ON SEP 04	39 100	1974
1975	---	9.23 B ON APR 21	0.020 ON SEP 21	10 800	1975
1976	---	5.24 B ON APR 10	0 ON JUL 12	5 770	1976
1977	---	6.68 ON MAY 31	0 ON JUN 21	9 520	1977
1978	---	5.10 ON JUN 02	0.019 ON AUG 15	11 700	1978
1979	---	4.54 ON APR 21	0 ON AUG 26	9 150	1979
1980	---	9.14 ON JUL 01	0.040 ON MAY 13	25 600	1980
1981	29.2 AT 21:30 MST ON JUL 31	26.7 ON JUL 31	0.062 ON OCT 07	24 900	1981
1982	37.4 AT 22:34 MST ON JUL 05	35.3 ON JUL 06	0 B ON MAR 01	43 900	1982
1983	---	7.55 B ON APR 02	0.005 ON SEP 01	16 400	1983
1984	3.49 AT 08:43 MST ON APR 01	2.97 ON JUN 10	0 ON AUG 28	9 740	1984
1985	---	11.8 B ON APR 03	0 B ON MAR 01	20 400	1985
1986	34.9 AT 06:45 MST ON JUL 19	33.6 ON JUL 19	0.181 ON JUN 13	32 100	1986
1987	---	5.68 B ON APR 04	0.085B ON MAR 11	11 500	1987
1988	6.81 AT 06:27 MST ON JUL 09	6.47 ON JUL 09	0.050 ON JUL 31	9 000	1988
1989	16.6 AT 15:44 MST ON APR 15	16.3 ON APR 15	0.047B ON MAR 14	22 200	1989
1990	88.8 AT 13:56 MST ON JUL 04 *	81.1 A ON JUL 04 *	0.076 ON SEP 14	48 100	1990
				19 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	9.32	7.35	5.73	---	---	---	1913
1914	---	---	---	---	---	---	---	---	---	3.00	2.38	1.75	---	1914
1915	1.76	0.617	0.761	4.08	1.91	10.1	9.43	4.81	3.24	2.75	4.25	0.930	3.73	1915
1916	0.325	0.121	0.149	3.66	5.58	2.42	16.1	3.98	5.32	4.36	3.35	1.75	3.95	1916
1917	1.26	0.852	1.05	8.33	25.6	25.4	8.75	4.70	3.45	3.15	2.38	0.982	7.18	1917
1918	0.863	0.781	0.910	3.04	3.95	5.80	4.26	2.47	2.16	2.21	1.62	1.11	2.44	1918
1919	0.893	0.243	0.076	5.74	5.11	3.24	0.953	0.458	0.959	1.05	0.674	0.253	1.64	1919
1920	0.247	0.003	0.043	1.04	37.0	19.6	7.17	4.22	3.79	4.15	2.02	1.55	6.78	1920
1921	1.59	1.89	1.16	4.79	12.0	8.12	4.66	4.48	3.31	2.38	1.83	0.749	3.73	1921
1922	0.317	0.063	0.034	1.52	5.52	3.19	1.77	0.700	0.467	0.384	0.215	0.027	1.19	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	0.806	0.474	0.526	3.78	12.1	9.73	6.64	3.91	3.34	2.92	2.08	1.01	3.83	MEAN

LOCATION - LAT 53 36 39 N LONG 115 00 39 W DRAINAGE AREA, 1 650 km² NATURAL FLOW

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	20.5 ON JUN 09	0.227B ON MAR 05	117 000	1915
1916	---	32.0 ON JUL 08	0.028B ON FEB 09	125 000	1916
1917	---	56.9 ON MAY 18	0.425B ON DEC 24	226 000	1917
1918	---	10.6 ON MAY 30	0.396B ON MAR 05	76 900	1918
1919	---	8.01B ON APR 13	0.024B ON MAR 01	51 700	1919
1920	---	76.2 ON MAY 07 *	0 B ON JAN 28 *	214 000	1920
1921	---	24.7 ON MAY 14	0.283B ON DEC 19	118 000	1921
1922	---	8.33 ON MAY 11	0 B ON MAR 18	37 600	1922
1923	---	---	0 B ON JAN 04	---	1923
				121 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	2.06	1.08	2.93	8.84	7.44	4.76	3.87	2.18	1.69	0.476	0.005	---	1955
1956	0	0	0	8.40	10.3	8.57	4.19	4.75	3.46	2.34	1.77	2.41	3.86	1956
1957	2.55	0.951	1.08	4.25	3.91	1.53	0.639	1.36	1.66	3.48	1.91	4.94	2.53	1957
1958	3.62	3.60	2.00	8.21	6.07	2.53	3.27	1.86	1.38	1.77	1.07	0.975	3.02	1958
1959	0.406	0.011	0.077	1.44	2.06	0.900	0.861	0.593	0.805	1.22	0.958	1.35	0.895	1959
1960	0.711	0.086	1.92	2.69	5.09	4.19	5.81	2.00	1.64	1.62	1.08	1.77	2.40	1960
1961	2.04	1.91	2.03	1.87	1.61	0.471	0.647	0.271	0.163	0.209	0.202	0.017	0.949	1961
1962	0	0	0	7.63	14.9	7.96	3.08	3.33	2.80	2.91	2.65	1.79	3.94	1962
1963	0.821	1.65	2.21	13.6	15.0	6.36	2.69	1.53	1.31	1.33	1.61	0.806	4.07	1963
1964	1.18	1.17	2.03	2.11	4.44	1.86	2.14	2.22	3.45	4.38	3.65	1.64	2.53	1964
1965	1.07	2.13	1.69	9.23	22.4	27.8	36.2	21.5	13.8	7.64	4.99	4.12	12.8	1965
1966	2.47	2.34	3.06	11.8	10.6	3.12	6.06	9.78	8.19	4.84	1.31	2.48	5.52	1966
1967	1.81	1.87	2.27	11.4	5.58	4.11	1.55	0.711	0.381	0.402	0.363	0.145	2.54	1967
1968	0	0.008	0.244	0.943	2.91	1.34	0.625	1.01	1.19	1.15	0.964	0.565	0.914	1968
1969	0.162	0.052	0.027	6.72	7.37	2.19	1.06	2.88	5.27	6.30	4.95	4.75	3.49	1969
1970	3.06	2.99	2.37	5.72	4.73	1.55	1.10	0.674	0.484	0.484	0.495	0.271	1.98	1970
1971	0.152	0.104	0.100	9.30	9.24	9.13	30.5	17.4	10.2	6.88	5.66	3.15	8.56	1971
1972	2.66	2.19	2.34	7.93	10.7	15.1	15.5	7.79	4.32	3.63	2.98	2.43	6.47	1972
1973	1.53	1.64	1.55	4.96	8.06	5.98	4.05	4.02	3.00	2.80	2.27	2.44	3.53	1973
1974	1.10	1.29	1.66	22.9	30.7	16.1	18.0	8.36	5.41	3.81	2.71	2.45	9.59	1974
1975	1.94	1.40	1.17	3.81	6.38	5.31	7.00	3.64	3.21	2.16	1.80	2.17	3.35	1975
1976	1.86	1.41	2.52	6.28	2.70	1.73	1.43	1.42	1.80	1.73	1.47	1.95	2.19	1976
1977	1.81	2.10	1.17	4.60	14.5	14.7	9.39	7.40	8.96	9.52	5.70	3.50	6.97	1977
1978	1.98	1.75	2.95	4.60	5.50	6.10	6.71	3.81	7.23	5.85	4.48	3.85	4.58	1978
1979	2.62	1.69	4.17	6.02	10.0	9.63	13.1	7.15	4.74	4.05	2.85	2.57	5.75	1979
1980	1.92	1.68	1.44	7.54	6.62	22.6	16.6	13.4	10.4	8.39	6.64	4.77	8.50	1980
1981	1.69	1.28	2.21	4.31	5.28	11.7	6.85	3.95	1.76	1.82	1.47	1.74	3.68	1981
1982	0.651	0.841	1.03	9.55	9.68	4.71	19.2	8.85	7.23	5.77	3.03	1.73	6.06	1982
1983	2.57	1.76	1.19	5.66	2.97	2.38	10.9	4.64	3.43	3.41	3.81	4.81	3.81	1983
1984	2.43	2.29	2.53	2.50	5.54	6.23	2.13	0.925	1.98	2.97	3.48	2.56	2.96	1984
1985	2.56	1.67	1.46	12.3	8.84	5.60	2.63	1.56	4.79	5.96	5.03	4.93	4.78	1985
1986	2.81	1.77	6.39	7.78	8.14	4.34	20.0	17.7	10.0	9.69	6.87	4.21	8.38	1986
MEAN	1.62	1.43	1.75	6.84	8.46	6.98	8.08	5.32	4.27	3.76	2.83	2.35	4.54	MEAN

LOCATION - LAT 53 36 45 N LONG 115 06 20 W DRAINAGE AREA, 1 570 km^2 NATURAL FLOW

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	13.6 AT 16:40 MST ON MAY 02	13.5 ON MAY 02	0 B ON DEC 06 *	---	1955
1956	18.8 B AT 16:20 MST ON APR 16	18.7 B ON APR 16	0 B ON JAN 01	122 000	1956
1957	---	10.9 B ON NOV 23	0.057B ON MAR 08	79 800	1957
1958	---	14.4 B ON APR 14	0.311B ON NOV 05	95 300	1958
1959	---	4.28 ON MAY 11	0 B ON FEB 12	28 200	1959
1960	12.3 AT 09:30 MST ON JUL 04	12.1 ON JUL 04	0 B ON MAR 17	75 800	1960
1961	---	4.81 ON JUL 02	0 B ON DEC 10	29 900	1961
1962	---	19.4 ON MAY 06	0 B ON JAN 01	124 000	1962
1963	---	23.8 B ON APR 19	0.178B ON JAN 10	128 000	1963
1964	---	15.8 ON MAY 07	0.054B ON MAR 28	79 900	1964
1965	---	95.7 ON JUN 29 *	0.699B ON APR 06	403 000	1965
1966	---	17.6 B ON APR 04	0.875 ON NOV 04	174 000	1966
1967	---	18.7 B ON APR 17	0.028B ON DEC 18	80 100	1967
1968	6.54 AT 03:13 MST ON MAY 10	5.64 ON MAY 08	0 B ON JAN 01	28 900	1968
1969	---	14.8 ON SEP 06	0 B ON FEB 20	110 000	1969
1970	8.81 AT 07:25 MST ON MAY 18	7.14 ON MAY 18	0.212B ON DEC 24	62 600	1970
1971	58.6 AT 09:00 MST ON JUL 12	57.5 ON JUL 12	0.057B ON JAN 29	270 000	1971
1972	30.9 AT 09:00 MST ON JUN 25	29.7 ON JUN 25	1.70 B ON DEC 31	205 000	1972
1973	10.1 AT 23:30 MST ON MAY 09	9.63 ON MAY 09	1.13 B ON NOV 02	111 000	1973
1974	87.5 B AT 23:30 MST ON APR 18	72.8 ON APR 19	0.889B ON JAN 20	302 000	1974
1975	30.0 AT 21:00 MST ON JUN 28	23.1 ON JUN 29	0.142B ON APR 01	106 000	1975
1976	20.2 B AT 18:00 MST ON APR 07	19.2 B ON APR 07	0.564B ON MAR 05	69 200	1976
1977	61.2 AT 09:15 MST ON MAY 29	57.2 ON MAY 29	0.714B ON MAR 20	220 000	1977
1978	42.5 AT 19:50 MST ON JUL 11	25.7 ON JUL 11	0.801B ON JAN 06	144 000	1978
1979	25.5 AT 15:50 MST ON JUL 02	21.0 ON JUL 03	1.55 B ON FEB 12	181 000	1979
1980	39.9 AT 11:00 MST ON JUN 05	38.7 ON JUN 05	0.800B ON MAR 03	269 000	1980
1981	22.4 AT 13:55 MST ON JUN 02	21.9 ON JUN 02	0.770B ON FEB 10	116 000	1981
1982	58.8 AT 03:00 MST ON JUL 05	51.3 ON JUL 05	0.421B ON JAN 12	191 000	1982
1983	28.4 AT 10:10 MST ON JUL 09	24.4 ON JUL 09	0.700B ON MAR 20	120 000	1983
1984	10.3 AT 22:05 MST ON JUN 01	9.20 ON JUN 09	0.301 ON SEP 02	93 600	1984
1985	18.9 AT 03:15 MST ON JUN 25	18.0 B ON APR 09	0.900B ON MAR 11	151 000	1985
1986	91.3 AT 16:25 MST ON JUL 18 *	85.3 ON JUL 18	1.12 B ON FEB 19	264 000	1986
				143 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT HARTT'S RANCH - STATION NO. 11AB007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.256	0.363	0.171	0	0.218	0.059	---	---	---	1911
1912	---	---	---	---	0.691	0.066	0	0	0	0	---	---	---	1912
1913	---	---	---	2.47	0.341	0.025	0.007	0	0	0	---	---	0.400	1913
1914	---	---	---	1.14	0.081	0.024	0	0	0	0.035	---	---	0.180	1914
1915	---	---	---	1.15	0.078	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.59	0.289	0.120	0.045	0	0.055	0.024	---	---	0.290	MEAN

LOCATION - LAT 49 27 30 N LONG 110 20 00 W DRAINAGE AREA, 183 km² REGULATED

LODGE CREEK AT HARTT'S RANCH - STATION NO. 11AB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUN 07 *	---	1911
1912	---	---	0 ON JUL 05	---	1912
1913	---	6.68 ON APR 12 *	0 ON JUN 18	7 390	1913
1914	---	3.96 ON APR 05	0 ON MAY 27	3 330	1914
1915	---	---	---	---	1915
				5 360	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT HESTER'S RANCH - STATION NO. 11AB023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	0	0	---	---	---	1912
1913	---	---	---	---	0.403	0.033	0.062	0	0	0	---	---	---	1913
1914	---	---	---	1.75	0.124	0.032	0.001	0	0	0.108	---	---	---	1914
MEAN	---	---	---	1.75	0.264	0.033	0.032	0	0	0.036	---	---	---	MEAN

LOCATION - LAT 49 14 30 N LONG 110 01 00 W DRAINAGE AREA, 586 km² REGULATED

LODGE CREEK AT HESTER'S RANCH - STATION NO. 11AB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	0 ON JUL 20 *	---	1913
1914	---	---	0 ON MAR 23	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB902

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.911	1.40	0.064	0.007	0.004	0.013	---	---	0.396	1982
1983	---	---	---	0.181	0.790	0.019	0.329	0.002	0	0.007	---	---	0.195	1983
1984	---	---	---	0.247	0.015	0.005	0	0	0	0	---	---	0.003	1984
1985	---	---	---	---	1.17	0.045	0.005	0.014	0.161	0.012	---	---	0.236	1985
1986	---	---	---	0.186	1.17	0.075	0.011	0.003	1.92	0.141	---	---	0.548	1986
1987	---	---	---	0.775	0.061	0.029	0.020	0.052	0.011	0.017	---	---	0.032	1987
1988	---	---	---	0.527	0.015	0	0	0	0	0.017	---	---	0.005	1988
1989	---	---	---	0.386	0.077	0.053	0.033	0	0.026	0.005	---	---	0.032	1989
1990	---	---	---	0.487	0.744	0.090	0	0	0	---	---	---	---	1990
MEAN	---	---	---	0.398	0.551	0.191	0.051	0.009	0.236	0.027	---	---	0.181	MEAN

LOCATION - LAT 49 25 10 N DRAINAGE AREA, 289 km²
LONG 110 15 20 W NATURAL FLOW

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	10.1 ON JUN 01	0 ON AUG 23 *	6 300	1982
1983	17.0 AT 18:50 MST ON JUL 20	4.33 ON JUL 20	0 ON AUG 15	3 090	1983
1984	---	0.023 ON MAY 03	0 ON JUN 26	52.9	1984
1985	17.7 AT 10:20 MST ON APR 29 *	5.73 ON MAY 15	0 ON JUL 24	3 750	1985
1986	---	33.0 ON SEP 25 *	0 ON AUG 14	8 710	1986
1987	---	---	0 ON JUL 04	504	1987
1988	3.71 AT 18:18 MST ON APR 03	0.105 ON OCT 21	0 ON MAY 13	87.3	1988
1989	---	0.702 ON MAY 29	0 ON MAY 13	514	1989
1990	---	13.1 ON MAY 25	0 ON JUN 25	---	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 880	MEAN

LOGAN RIVER NEAR THE MOUTH - STATION NO. 07CA012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.425	1.56	2.18	3.81	2.65	0.875	1.47	1.49	---	---	1.80	1984
1985	---	---	0.488	1.97	12.2	1.96	1.17	0.613	0.851	1.37	---	---	2.59	1985
1986	---	---	0.443	1.52	1.72	1.33	10.6	2.11	0.942	0.996	---	---	2.47	1986
1987	---	---	0.575	2.32	1.74	1.56	0.923	0.933	0.670	0.658	---	---	1.17	1987
1988	---	---	0.372	1.68	1.71	2.26	2.56	1.37	1.12	1.01	---	---	1.51	1988
1989	---	---	0.407	1.30	1.88	2.95	2.39	2.35	2.38	1.74	---	---	1.92	1989
1990	---	---	0.618	3.35	4.36	2.10	1.19	0.660	0.805	0.976	---	---	1.75	1990
MEAN	---	---	0.475	1.96	3.69	2.28	3.07	1.27	1.18	1.18	---	---	1.89	MEAN

LOCATION - LAT 55 10 44 N DRAINAGE AREA, 425 km²
LONG 111 43 42 W NATURAL FLOW

LOGAN RIVER NEAR THE MOUTH - STATION NO. 07CA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	7.94 ON JUN 07	0.370B ON MAR 17	38 100	1984
1985	77.3 AT 17:29 MST ON MAY 07 *	67.1 ON MAY 08 *	0.476B ON MAR 12	54 700	1985
1986	67.8 AT 18:49 MST ON JUL 21	61.9 ON JUL 21	0.421B ON MAR 08	52 300	1986
1987	4.38B AT 10:48 MST ON APR 09	3.76B ON APR 09	0.567B ON MAR 01	34 700	1987
1988	4.13 AT 16:36 MST ON APR 18	3.99 ON JUN 14	0.295B ON MAR 01 *	32 000	1988
1989	4.06 AT 06:33 MST ON JUN 12	3.97 ON JUN 12	0.318B ON MAR 04	40 700	1989
1990	9.73 AT 18:27 MST ON APR 28	9.53 ON APR 28	0.570B ON MAR 01	37 100	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		39 900	MEAN

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.112	0.473	0.879	0.933	0.543	0.568	---	---	---	1959
1960	---	---	---	---	0.060	1.11	2.48	0.767	0.631	0.844	---	---	---	1960
1961	---	---	---	0.048	0.634	3.48	2.67	0.871	1.35	1.40	---	---	1.49	1961
1962	---	---	---	---	0.801	2.44	3.75	0.975	0.819	1.64	---	---	---	1962
1963	---	---	---	---	1.69	3.41	1.16	1.14	0.659	1.35	---	---	---	1963
1964	---	---	---	---	0.403	3.27	4.26	2.26	1.06	1.95	---	---	---	1964
1965	---	---	---	---	0.072	1.36	0.970	1.47	0.359	0.635	---	---	---	1965
1966	---	---	---	---	0.222	1.54	1.19	1.08	0.646	0.964	---	---	---	1966
1967	---	---	---	---	0	0.723	2.90	2.09	1.24	2.16	---	---	---	1967
1968	---	---	---	---	1.18	2.05	2.92	1.42	0.859	0.747	---	---	---	1968
1969	---	---	---	---	0.791	3.14	0.976	1.51	1.12	1.72	---	---	---	1969
1970	---	---	---	---	0.715	2.46	1.23	1.79	0.749	1.14	---	---	---	1970
1971	---	---	---	---	0.462	2.79	3.11	2.19	1.42	1.27	---	---	---	1971
1972	---	---	---	---	0.466	3.53	2.90	2.06	0.680	0.878	---	---	---	1972
1973	---	---	---	---	1.50	2.69	3.95	2.50	1.48	1.87	---	---	---	1973
1974	---	---	---	---	0.118	3.92	5.09	3.53	1.89	1.81	---	---	---	1974
1975	---	---	---	---	0	0.751	4.14	3.17	1.51	1.27	---	---	---	1975
1976	---	---	---	---	1.97	6.11	5.10	2.30	1.89	2.44	---	---	---	1976
1977	---	---	---	---	2.14	7.50	7.24	2.65	1.05	0.929	---	---	---	1977
1978	---	---	---	---	0.021	3.66	8.21	3.46	1.04	1.95	---	---	---	1978
1979	---	---	---	---	0.466	6.18	9.09	3.44	2.78	2.48	---	---	---	1979
1980	---	---	---	---	3.22	5.90	10.5	4.80	2.73	2.10	---	---	---	1980
1981	---	---	---	---	1.56	6.71	9.57	4.11	4.90	3.27	---	---	---	1981
1982	---	---	---	0	0.765	6.61	9.58	5.58	3.26	1.19	---	---	3.86	1982
1983	---	---	---	0	1.45	11.1	9.64	4.48	4.85	0.624	---	---	4.58	1983
1984	---	---	---	0	2.53	8.91	13.3	4.82	0.734	0.131	---	---	4.36	1984
1985	---	---	---	0	6.38	12.7	13.2	6.22	2.71	0.551	---	---	5.99	1985
1986	---	---	---	2.15	6.53	11.4	8.54	3.04	2.02	0.224	---	---	4.84	1986
1987	---	---	---	0	8.24	10.6	6.88	2.59	3.92	0.685	---	---	4.71	1987
1988	---	---	---	0.721	9.81	7.47	9.16	6.62	4.35	0.822	---	---	5.58	1988
1989	---	---	---	0	4.54	9.13	12.3	5.75	2.46	1.11	---	---	5.05	1989
1990	---	---	---	0	4.48	7.24	11.8	5.04	7.12	1.50	---	---	5.32	1990
MEAN	---	---	---	0.292	1.98	5.00	5.90	2.96	1.96	1.32	---	---	4.58	MEAN

LOCATION - LAT 50 12 50 N
LONG 112 39 40 W REGULATED

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	1.23 ON AUG 07	0 ON MAY 01 *	---	1959
1960	---	3.65 ON JUL 18	0 ON MAY 01	---	1960
1961	---	5.61 ON JUN 24	0E ON APR 01	27 600	1961
1962	---	4.84 ON JUL 08	0 ON MAY 01	---	1962
1963	---	4.98 ON JUN 21	0 ON APR 29	---	1963
1964	---	5.15 ON JUL 26	0 ON MAY 01	---	1964
1965	---	3.77 ON AUG 01	0 ON MAY 01	---	1965
1966	---	2.89 ON JUN 23	0 ON MAY 01	---	1966
1967	---	4.56 ON JUL 22	0 ON MAY 01	---	1967
1968	---	3.91 ON JUL 14	0 ON MAY 01	---	1968
1969	---	4.36 ON JUN 06	0 ON MAY 01	---	1969
1970	---	5.21 ON JUN 11	0 ON MAY 01	---	1970
1971	---	4.59 ON JUL 24	0 ON MAY 01	---	1971
1972	---	4.96 ON JUN 09	0 ON APR 24	---	1972
1973	---	5.52 ON JUL 18	0 ON MAY 01	---	1973
1974	---	6.60 ON JUL 27	0 ON APR 10	---	1974
1975	---	5.86 ON JUL 17	0 ON APR 21	---	1975
1976	---	7.02 ON JUN 14	0A ON APR 12	---	1976
1977	---	8.89 ON JUN 20	0A ON APR 12	---	1977
1978	---	8.50 ON JUN 30	0A ON APR 24	---	1978
1979	---	9.77 ON JUL 13	0A ON APR 23	---	1979
1980	---	11.6 ON JUN 24	0A ON APR 28	---	1980
1981	---	12.0 ON JUL 08	0A ON APR 22	---	1981
1982	---	11.8 ON JUL 14	0E ON APR 01	71 400	1982
1983	---	12.1 ON JUN 16	0 ON APR 01	84 600	1983
1984	---	16.3 ON JUL 21 *	0 ON APR 01	80 700	1984
1985	---	14.0 ON JUL 09	0 ON APR 01	111 000	1985
1986	---	13.2 ON JUN 17	0 ON APR 01	89 500	1986
1987	---	13.0 ON MAY 27	0 ON APR 01	87 000	1987
1988	---	12.6 ON JUN 05	0E ON APR 01	103 000	1988
1989	---	14.2 ON JUL 10	0 ON APR 01	93 400	1989
1990	---	14.4 ON JUN 29	0 ON APR 01	98 500	1990
				84 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONEPINE CREEK NEAR LINDEN - STATION NO. 05CE013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.001	3.16	3.53	0.251	0.029	0.003	0	0.004	0.009	---	---	1967
1968	---	---	0.116	0.026	0.023	0.020	0.015	0.009	0.005	0.019	---	---	---	1968
1969	---	---	0.004	6.88	0.098	0.048	0.040	0.013	0.022	0.023	---	---	---	1969
MEAN	---	---	0.040	3.36	1.22	0.106	0.028	0.008	0.009	0.015	0.009	---	---	MEAN

LOCATION - LAT 51 34 30 N DRAINAGE AREA, 895 km²
LONG 113 31 20 W NATURAL FLOW

LONEPINE CREEK NEAR LINDEN - STATION NO. 05CE013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	14.3 ON MAY 01	0B ON MAR 01 *	---	1967
1968	---	0.476B ON MAR 07	0 ON AUG 29	---	1968
1969	34.3B AT 23:40 MST ON APR 03 *	29.4 B ON APR 03 *	0B ON FEB 28	---	1969
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOST CREEK NEAR THE MOUTH - STATION NO. 07DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.088	0.294	0.341	0.133	0.016	---	1976
1977	0	0	0	0.631	0.372	0.293	0.362	0.096	0.102	0.146	0.054	0.006	0.172	1977
MEAN	0	0	0	0.631	0.372	0.293	0.362	0.092	0.198	0.244	0.094	0.011	0.172	MEAN

LOCATION - LAT 57 17 20 N DRAINAGE AREA, 418 km²
LONG 110 27 50 W NATURAL FLOW

LOST CREEK NEAR THE MOUTH - STATION NO. 07DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0B ON DEC 31 *	---	1976
1977	1.85B AT 12:45 MST ON APR 18 *	1.64B ON APR 18 *	0B ON JAN 01	5 430	1977
				5 430	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOUISE CREEK NEAR LAKE LOUISE - STATION NO. 05BA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	2.33	1.06	0.295	0.231	0.121	---	1913
1914	0.090	0.041	0.012	0.007	0.288	1.12	2.51	2.08	0.838	0.295	0.184	0.120	0.638	1914
1915	0.161	0.055	0.044	0.101	0.327	0.810	1.91	2.91	1.09	0.184	0.103	0.018	0.650	1915
1916	0.022	0.010	0.014	0.016	0.123	1.06	2.09	2.10	1.27	0.273	0.193	0.054	0.605	1916
1917	0.009	0.026	0.018	0.008	0.269	1.05	2.32	2.37	1.32	0.856	0.323	0.213	0.738	1917
1918	0.194	0.195	0.181	0.051	0.227	1.57	2.39	2.14	0.990	---	---	---	---	1918
MEAN	0.095	0.065	0.054	0.037	0.247	1.12	2.24	2.32	1.09	0.381	0.207	0.105	0.658	MEAN

LOCATION - LAT 51 24 56 N DRAINAGE AREA, 25.1 km²
LONG 116 12 35 W NATURAL FLOW

LOUISE CREEK NEAR LAKE LOUISE - STATION NO. 05BA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	3.57 ON JUL 13	0 ON OCT 23 *	20 100	1914
1915	---	3.20 ON AUG 16	0.008 ON DEC 23	20 500	1915
1916	---	2.78 ON AUG 13	0.008B ON FEB 29	19 100	1916
1917	---	5.52 ON JUL 20 *	0.004B ON JAN 18	23 300	1917
1918	---	3.11 ON JUL 21	---	---	1918
				20 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	0.215	1.25	0.953	1.12	0.525	0.408	0.226	---	---	0.748	1975
1976	---	---	---	0.586	0.743	1.52	1.05	0.771	0.725	0.446	---	---	0.873	1976
1977	---	---	0.096	0.340	3.10	2.88	2.11	1.98	1.96	0.656	---	---	2.11	1977
1978	---	---	---	---	2.60	2.66	2.02	1.20	1.97	0.815	---	---	2.01	1978
1979	---	---	---	---	1.79	1.32	0.731	0.494	0.528	0.326	---	---	0.864	1979
1980	---	---	---	---	1.93	10.5	2.95	1.48	1.73	0.902	---	---	3.22	1980
1981	---	---	---	---	1.09	1.38	2.25	1.58	0.695	0.461	---	---	1.25	1981
1982	---	---	---	---	1.45	1.18	6.01	1.34	0.963	1.28	---	---	2.05	1982
1983	---	---	---	---	1.07	1.56	1.31	0.562	0.367	0.317	---	---	0.864	1983
1984	---	---	---	---	1.01	1.57	0.657	0.392	0.858	0.933	---	---	0.900	1984
1985	---	---	---	---	0.986	1.42	0.937	1.90	2.49	1.15	---	---	1.47	1985
1986	---	---	---	---	1.81	1.38	6.92	1.53	1.13	1.56	---	---	2.40	1986
1987	---	---	---	---	0.611	0.638	0.807	3.56	1.06	0.751	---	---	1.24	1987
1988	---	---	---	---	0.455	1.31	0.767	0.733	0.479	0.370	---	---	0.683	1988
1989	---	---	---	---	1.47	1.66	3.18	3.23	2.34	1.01	---	---	2.15	1989
1990	---	---	---	---	3.88	5.61	3.41	0.907	0.737	0.500	---	---	2.50	1990
MEAN	---	---	0.096	0.380	1.58	2.35	2.31	1.39	1.15	0.731	---	---	1.58	MEAN

LOCATION - LAT 52 59 50 N DRAINAGE AREA, 101 km²
LONG 116 39 20 W NATURAL FLOW

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	3.34B AT 01:00 MST ON MAY 10	2.76 ON JUN 29	0.164B ON OCT 24	11 900	1975
1976	---	2.94 ON JUN 24	0.303B ON OCT 24	13 900	1976
1977	9.15 AT 01:00 MST ON JUN 01	8.13 ON JUN 01	0.136 ON MAY 01 *	33 600	1977
1978	14.0 AT 22:15 MST ON MAY 15	10.4 R ON JUL 12	0.550E ON OCT 31	31 900	1978
1979	---	2.60E ON MAY 24	0.240 ON OCT 05	13 700	1979
1980	73.0 AT 14:00 MST ON JUN 04 *	61.4 E ON JUN 04 *	0.650E ON OCT 29	51 200	1980
1981	9.83 AT 09:00 MST ON JUL 30	9.01 ON JUL 30	0.283 ON MAY 04	19 800	1981
1982	29.0 AT 13:45 MST ON JUL 05	26.6 ON JUL 05	0.666 ON SEP 24	32 500	1982
1983	4.19 AT 20:50 MST ON JUN 24	3.74 ON JUN 21	0.202 ON OCT 13	13 700	1983
1984	2.87 AT 17:00 MST ON JUN 08	2.55 ON JUN 08	0.268 ON AUG 26	14 300	1984
1985	8.94 AT 09:40 MST ON SEP 13	7.71 ON SEP 13	0.474 ON MAY 23	23 400	1985
1986	51.5 AT 02:28 MST ON JUL 18	40.8 ON JUL 18	0.460 ON MAY 02	38 200	1986
1987	25.4 AT 02:38 MST ON AUG 02	17.9 ON AUG 02	0.326 ON MAY 09	19 700	1987
1988	6.29 AT 06:31 MST ON JUN 09	4.97 ON JUN 09	0.249B ON OCT 29	10 900	1988
1989	14.5 AT 04:39 MST ON AUG 17	12.6 ON AUG 17	0.705B ON OCT 26	34 100	1989
1990	25.7 AT 08:25 MST ON JUN 13	22.7 ON JUN 13	0.356B ON OCT 20	39 700	1990
				25 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED R - REVISED SINCE JAN 01 1989

LOYALIST CREEK NEAR CONSORT - STATION NO. 05GA013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	0	0.002	0.105	0.007	---	---	---	1984
1985	---	---	0.091	0.630	0.010	0.002	0.003	0.003	0.034	0.006	---	---	0.096	1985
1986	---	---	0.110	0.018	0.002	0.005	0.045	0.002	0.266	0.008	---	---	0.056	1986
1987	---	---	0.001	0.055	0.009	0.002	0.138	0	0	0.043	---	---	0.031	1987
1988	---	---	0.033	0.011	0.012	0.002	0	0.009	0.016	0	---	---	0.010	1988
1989	---	---	0.003	0.029	0.005	0.010	0.045	0	0.009	0.059	---	---	0.020	1989
1990	---	---	0.155	0.046	0.007	0.005	0.014	0.001	0	0.055	---	---	0.036	1990
MEAN	---	---	0.066	0.132	0.008	0.004	0.035	0.002	0.061	0.025	---	---	0.042	MEAN

LOCATION - LAT 52 00 04 N DRAINAGE AREA, 260 km²
LONG 110 45 54 W REGULATED SINCE 1984

LOYALIST CREEK NEAR CONSORT - STATION NO. 05GA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	0A ON JUN 27 *	---	1984
1985	---	2.49 B ON APR 03 *	0B ON MAR 01	2 030	1985
1986	1.79 AT 12:18 MST ON SEP 11 *	1.65 ON SEP 11	0E ON MAY 29	1 190	1986
1987	0.990 AT 09:10 MST ON JUL 11	0.980 ON JUL 11	0B ON MAR 01	660	1987
1988	0.226 AT 06:30 MST ON AUG 02	0.127 ON AUG 02	0 ON MAY 12	220	1988
1989	---	1.17 ON JUL 10	0B ON MAR 01	423	1989
1990	1.05 B AT 04:27 MST ON MAR 29	0.737B ON MAR 29	0 ON MAR 01	755	1990
				880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07OB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.170	---	---	---	1977
1978	---	---	0	0.547	2.76	0.805	0.225	0.657	0.688	0.451	---	---	0.767	1978
1979	---	---	0	0.065	5.17	4.12	0.356	0.034	0.159	0.168	---	---	1.26	1979
1980	---	---	0.001	0.296	0.085	0.006	0.001	0.001	0	0.010	---	---	0.049	1980
1981	---	---	0	0.113	0.741	0.105	0.048	0.003	0	0.009	---	---	0.128	1981
1982	---	---	0	0.047	1.63	0.180	0.011	0.005	0.015	0	---	---	0.238	1982
1983	---	---	0	0.200	2.46	0.587	0.070	0.020	0.025	0.037	---	---	0.427	1983
1984	---	---	0	0.043	0.015	0.195	0.707	0.170	0.253	0.299	---	---	0.211	1984
1985	---	---	0.001	0.613	4.66	0.945	0.242	1.16	1.19	1.05	---	---	1.24	1985
1986	---	---	0.001	0.521	1.40	3.14	1.65	0.580	0.194	0.246	---	---	1.22	1986
1987	---	---	0	2.03	3.54	1.37	0.884	0.167	0.150	0.528	---	---	1.08	1987
1988	---	---	0	1.14	2.61	4.03	4.87	1.03	0.338	0.299	---	---	1.79	1988
1989	---	---	0	0.247	4.23	2.77	0.669	0.177	0.029	0.032	---	---	1.02	1989
1990	---	---	0	0.362	1.39	0.516	0.130	0.018	0.006	0.018	---	---	0.305	1990
MEAN	---	---	0	0.479	2.51	1.44	0.759	0.309	0.234	0.237	---	---	0.749	MEAN

LOCATION - LAT 59 24 18 N LONG 117 17 00 W DRAINAGE AREA, 292 km² NATURAL FLOW

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07OB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1977	---	---	---	---	1977
1978	7.33 AT 23:00 MST ON MAY 04	6.65 B ON APR 30	0B ON MAR 01 *	16 200	1978
1979	19.5 AT 05:00 MST ON MAY 29 *	18.5 ON MAY 29 *	0B ON MAR 01	26 600	1979
1980	---	---	---	---	1980
1981	3.68B AT 12:00 MST ON MAY 02	0.855B ON APR 17	0B ON MAR 01	1 040	1981
1982	3.46 AT 12:00 MST ON MAY 10	2.58 B ON MAY 05	0B ON MAR 01	4 710	1982
1983	3.83B AT 07:30 MST ON MAY 01	3.27 ON MAY 12	0B ON MAR 01	8 040	1983
1984	1.14 AT 11:30 MST ON JUL 03	3.01 B ON MAY 01	0B ON MAR 01	9 030	1984
		0.993 ON JUL 07	0B ON MAR 01	4 460	
1985	18.1 AT 13:30 MST ON MAY 05	11.0 ON MAY 06	0B ON MAR 01	26 200	1985
1986	7.39 AT 18:00 MST ON JUN 24	7.17 ON JUN 24	0B ON MAR 01	25 700	1986
1987	8.42 AT 16:00 MST ON APR 30	8.28 ON APR 30	0B ON MAR 01	22 900	1987
1988	13.3 AT 14:30 MST ON JUL 04	13.1 ON JUL 04	0B ON MAR 01	37 900	1988
1989	6.67 AT 00:00 MST ON MAY 07	6.32 ON MAY 07	0B ON MAR 01	21 600	1989
1990	---	2.30 E ON MAY 11	0B ON MAR 01	6 450	1990
				15 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK AT GRANT'S RANCH - STATION NO. 05AH006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	4.95	0.512	0.076	0	0	0	0	---	---	---	1912
1913	---	---	---	0.914	0.242	0.007	0.006	0	0	0	---	---	---	1913
1914	---	---	---	0.554	0.084	0.012	0	0	0	0.183	---	---	---	1914
MEAN	---	---	---	2.14	0.279	0.032	0.002	0	0	0.061	---	---	---	MEAN

LOCATION - LAT 49 52 10 N LONG 110 01 10 W DRAINAGE AREA, 247 km² NATURAL FLOW

MACKAY CREEK AT GRANT'S RANCH - STATION NO. 05AH006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	32.3 E ON APR 03 *	0 ON JUN 27 *	---	1912
1913	---	2.78 ON APR 06	0 ON JUN 12	---	1913
1914	---	2.46 ON OCT 08	0 ON JUL 09	---	1914
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK AT WALSH - STATION NO. 05AH002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.233	0.049	0.222	0	0.862	0.125	---	---	---	1911
1912	---	---	---	2.50	0.646	0.154	0.001	0	0	0	---	---	---	1912
1913	---	---	---	1.22	0.265	0.001	0	0	0	0	---	---	---	1913
1914	---	---	---	0.582	0.085	0	0	0	0.009	0.308	---	---	---	1914
1915	---	---	---	0.750	0.402	2.47	0.412	0.144	0.003	0.043	---	---	---	1915
1916	---	---	1.38	0.259	2.35	5.41	0.655	0.372	0.060	0.152	---	---	---	1916
1917	---	---	---	---	1.67	0.200	0.042	0	0	0	---	---	---	1917
1918	---	---	---	0.983	0.155	0.023	---	---	---	---	---	---	---	1918
1919	---	---	0.024	0.417	0.031	0	0	0	0	0	---	---	---	1919
1936	---	---	1.23	---	0.034	0	---	---	---	---	---	---	---	1936
1956	---	---	1.64	0.456	0.260	0.008	0.003	0	0	0	---	---	---	1956
1957	---	0.807	1.21	2.03	0.454	0.069	0	0	0	0	---	---	0.502	1957
1958	---	---	0.731	0.738	0.015	0	0	0	0	0	---	---	---	1958
1959	---	---	1.33	0.714	0.115	0.108	0.008	0	0	0	---	---	---	1959
1960	---	---	1.85	0.312	0.898	0.039	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.485	0	0	0.161	0.001	0	0	0	---	---	---	1962
1963	---	1.32	0.166	0.042	0	0	0	0	0	0	---	---	0.158	1963
1964	---	---	0	0.111	1.77	0.008	0	0	0	0	---	---	---	1964
1965	---	---	0.007	3.57	0.293	1.08	0.357	0	0.001	0	---	---	---	1965
1966	---	---	1.86	0.801	0.436	0.315	0.024	0.011	0	0	---	---	---	1966
1967	---	---	2.19	1.69	7.18	0.342	0.009	0	0	0	---	---	---	1967
1968	---	---	0.173	0.114	0.128	0.037	0.004	0	0	0	---	---	---	1968
1969	---	---	1.94	0.820	0.053	0	0	0	0	0	---	---	---	1969
1970	---	---	0.255	1.93	0.591	0.460	0.044	0	0	0	---	---	---	1970
1971	---	2.12	0.211	1.53	0.135	0.371	0.027	0	0	0	---	---	0.469	1971
1972	---	---	1.28	0.036	0.017	0.002	0	0	0	0	---	---	---	1972
1973	---	0.001	0.022	0.248	0.094	0.332	0.001	0	0	0	---	---	0.077	1973
1974	---	---	0.734	0.358	0.704	0.034	0	0	0	0	---	---	---	1974
1975	---	---	0	1.87	4.98	2.19	0.048	0	0	0	---	---	---	1975
1976	---	---	0.807	0.455	0.044	0.267	0.053	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	---	1977
1978	---	---	1.03	0.672	0.312	0.076	0	0	0.018	0	---	---	---	1978
1979	---	---	4.09	1.19	0.803	0.079	0.041	0	0	0	---	---	---	1979
1980	---	---	0.046	0.010	0	0	0	0	0	0	---	---	---	1980
1981	---	0.030	0	0	0	0.301	0	0	0	0	---	---	0.036	1981
1982	---	0.382	0.968	1.95	0.580	3.57	0.014	0.001	0	0	---	---	0.823	1982
1983	---	0.029	0.115	0.280	1.06	0.012	0.024	0	0	0	---	---	0.171	1983
1984	---	0	0.011	0.040	0.006	0	0	0	0	0	---	---	0.006	1984
1985	---	0.005	0.100	1.95	0.676	0.007	0	0	0	0	---	---	0.304	1985
1986	---	0.450	0.276	0.044	0.801	0.062	0	0	1.92	0.390	0.683	---	0.435	1986
1987	---	0.332	0.541	1.25	0.035	0.003	0	0.006	0	0	---	---	0.238	1987
1988	---	0	0.107	0.073	0	0	0	0	0	0	---	---	0.020	1988
1989	---	0	0.048	0.023	0	0.033	0	0	0	0	---	---	0.012	1989
1990	---	0	0	0.010	0.007	0	0	0	0	0	---	---	0.002	1990
MEAN	---	0.391	0.707	0.763	0.674	0.406	0.046	0.012	0.067	0.024	0.683	---	0.232	MEAN

LOCATION - LAT 49 56 30 N DRAINAGE AREA, 436 km²
LONG 110 02 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1957, 1963 AND 1971

MACKAY CREEK AT WALSH - STATION NO. 05AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	11.0 ON SEP 07	0 ON JUN 14 *	---	1911
1912	---	12.1 ON MAR 29	0 ON JUN 29	---	1912
1913	---	2.78 ON APR 12	0 ON JUN 07	---	1913
1914	---	3.57 ON OCT 09	0B ON MAR 28	---	1914
1915	---	---	---	---	1915
1916	52.1 AT 02:00 MST ON JUN 12	20.6 ON JUN 04	0 ON MAY 10	---	1916
1917	---	41.1 ON JUN 11	---	---	1917
1918	---	---	0 ON JUL 22	---	1918
1919	2.80 AT 18:00 MST ON APR 19	---	0 ON JUN 15	---	1919
1936	---	2.38 ON APR 20	0 ON MAR 01	---	1936
1956	19.7 B ON MAR 20	6.85 ON MAR 07	0 ON MAR 01	---	1956
1957	---	15.6 B ON MAR 20	0B ON MAR 01	---	1957
1958	---	7.70 B ON FEB 27	0B ON FEB 01	11 800	1958
1959	5.32 B AT 15:00 MST ON MAR 18	5.83 B ON MAR 29	0 ON MAY 22	---	1959
1960	---	5.15 B ON MAR 18	0 ON JUN 09	---	1960
1961	---	12.5 B ON MAR 19	0B ON MAR 01	---	1961
1962	6.17 AT 02:00 MST ON JUN 15	0 ON MAR 01	0 ON MAR 01	---	1962
1963	---	3.48 B ON MAR 21	0B ON MAR 01	---	1963
1964	28.3 AT 04:00 MST ON MAY 08	13.0 ON FEB 06	0E ON FEB 01	3 730	1964
1965	18.2 AT 16:00 MST ON JUN 27	20.8 ON MAY 08	0 ON MAR 01	---	1965
1966	---	15.1 ON JUN 27	0B ON MAR 14	---	1966
1967	40.8 AT 12:00 MST ON MAY 08	5.10 B ON MAR 12	0 ON JUL 09	---	1967
1968	1.37 B AT 08:21 MST ON MAR 02	33.4 ON MAY 08	0 ON FEB 27	---	1968
1969	---	0.748 ON MAR 07	0 ON JUL 12	---	1969
1970	15.4 AT 19:24 MST ON APR 07	18.5 B ON MAR 18	0B ON MAR 01	---	1970
1971	---	9.77 ON APR 07	0B ON FEB 23	---	1971
1972	9.52 AT 20:00 MST ON MAR 14	19.8 B ON FEB 15	0B ON FEB 01	11 100	1972
1973	5.32 AT 17:00 MST ON JUN 16	7.50 ON MAR 14	0B ON MAR 01	---	1973
1974	10.0 B AT 08:20 MST ON MAR 29	2.94 ON JUN 16	0B ON FEB 01	1 820	1974
1975	57.8 AT 08:00 MST ON MAY 07 *	7.84 B ON MAR 29	0B ON FEB 25	---	1975
1976	9.91 B AT 10:30 MST ON MAR 18	43.6 ON MAY 07 *	0B ON MAR 01	---	1976
1977	---	8.30 B ON MAR 18	0B ON MAR 07	---	1977
1978	---	0 ON FEB 22	0 ON FEB 22	---	1978
1979	---	4.39 B ON MAR 09	0 ON JUN 18	---	1979
1980	---	14.0 B ON MAR 07	0B ON FEB 26	---	1980
1981	4.39 AT 18:15 MST ON JUN 15	0.280B ON MAR 16	0B ON MAR 06	---	1981
1982	25.5 AT 16:00 MST ON JUN 04	3.97 ON JUN 15	0B ON FEB 01	852	1982
1983	6.42 AT 00:54 MST ON MAY 18	20.1 ON JUN 04	0B ON FEB 01	19 400	1983
1984	0.098 AT 20:11 MST ON APR 11	5.44 ON MAY 18	0B ON FEB 01	4 040	1984
1985	13.1 AT 18:25 MST ON APR 02	0.090 ON APR 12	0B ON FEB 02	151	1985
1986	40.5 AT 06:03 MST ON SEP 26	8.58 ON APR 02	0B ON FEB 01	7 170	1986
1987	5.90 AT 01:19 MST ON APR 05	31.2 ON SEP 26	0B ON FEB 01	10 100	1987
1988	2.58 AT 09:25 MST ON MAR 22	4.67 ON APR 05	0 ON JUN 10	5 610	1988
1989	1.17 B AT 12:30 MST ON MAR 11	1.05 ON MAR 22	0 ON FEB 01	478	1989
1990	0.109 AT 04:00 MST ON APR 05	0.561B ON MAR 11	0B ON FEB 01	274	1990
		0.091 ON APR 05		43.2	1990
				5 480	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.037	0.001	0	0	0	---	---	---	1976
1977	---	---	0.011	0.079	0.004	0	0	0	0	0	---	---	---	1977
1978	---	---	0.162	0.223	0.047	0.011	0	0	0.016	0.010	---	---	---	1978
1979	---	---	0.501	0.403	0.213	0.009	0	0	0	0.052	---	---	---	1979
1980	---	---	0.014	0.078	0.001	0	0	0	0	0.062	---	---	---	1980
1981	---	0.037	0.026	0.021	0.048	0.100	0.001	0	0	0.052	---	---	0.032	1981
1982	---	0.043	0.118	0.665	0.204	0.859	0.032	0	0	0.006	---	---	0.213	1982
1983	---	0.045	0.121	0.106	0.399	0.008	0.056	0	0	0	---	---	0.086	1983
1984	---	0.023	0.062	0.105	0.026	0	0	0	0	0	---	---	0.024	1984
1985	---	0	0.084	0.582	0.155	0.008	0	0	0	0.003	---	---	0.092	1985
1986	---	0.191	0.116	0.021	0.520	0.105	0.019	0	0.185	0.083	---	---	0.138	1986
1987	---	0.156	0.216	0.341	0.033	0.001	0	0.011	0.001	0.010	---	---	0.004	1987
1988	---	0.046	0.165	0.114	0.007	0	0	0	0	0.170	---	---	0.056	1988
1989	---	0	0.064	0.088	0.056	0.033	0	0	0	0.008	---	---	0.028	1989
1990	---	0.002	0.063	0.036	0.063	0.014	0	0	0	0.176	---	---	0.040	1990
MEAN	---	0.054	0.125	0.204	0.127	0.079	0.007	0.001	0.013	0.042	---	---	0.079	MEAN

LOCATION - LAT 49 44 28 N
LONG 110 02 33 W
DRAINAGE AREA, 75.1 km²
REGULATED

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0E ON JUN 01 *	---	1976
1977	0.705 AT 20:30 MST ON APR 06	0.476 ON APR 06	0 ON APR 28	---	1977
1978	---	0.578 ON MAR 28	0B ON MAR 01	---	1978
1979	---	1.14 ON APR 09	0B ON FEB 27	---	1979
1980	0.691 AT 10:40 MST ON OCT 23	0.513 ON OCT 24	0B ON MAR 01	---	1980
1981	1.65 AT 15:00 MST ON JUN 14	1.26 ON JUN 14	0B ON FEB 01	745	1981
1982	12.9 AT 17:49 MST ON APR 12 *	6.57 ON JUN 03 *	0B ON FEB 01	5 020	1982
1983	3.73 AT 20:39 MST ON MAY 16	2.13 ON MAY 17	0B ON FEB 04	2 030	1983
1984	0.380 AT 07:59 MST ON MAR 25	0.237B ON MAR 23	0B ON FEB 04	566	1984
1985	6.42 AT 19:20 MST ON APR 01	2.47 ON APR 02	0B ON FEB 01	2 180	1985
1986	3.30 AT 18:36 MST ON SEP 25	2.27 ON SEP 25	0B ON FEB 13	1 240	1986
1987	1.80 AT 22:05 MST ON APR 03	1.33 ON APR 04	0 ON JUN 05	1 990	1987
1988	1.86 AT 21:35 MST ON MAR 20	1.10 ON OCT 21	0 ON MAY 14	1 330	1988
1989	0.504 AT 00:40 MST ON MAY 31	0.354 ON MAY 31	0B ON FEB 01	657	1989
1990	0.967 AT 15:50 MST ON OCT 20	0.891 ON OCT 20	0B ON FEB 01	943	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 870	MEAN

MACKAY CREEK NEAR WALSH - STATION NO. 05AH040

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	3.45	5.30	0.758	0.627	0.121	0	0.164	0.022	---	---	1.30	1951
1952	---	3.50	8.14	7.82	0.544	0.027	0	0	0	0	---	---	2.06	1952
1953	---	---	1.94	1.79	2.18	7.47	0.126	0	0	0	---	---	1.67	1953
1954	---	0.019	0	1.67	0.578	0.699	0.048	0	0.058	0.078	---	---	0.386	1954
1955	---	---	2.99	12.5	4.04	0.266	6.04	0.041	0	0	---	---	3.22	1955
MEAN	---	1.76	3.30	5.82	1.62	1.82	1.27	0.008	0.044	0.020	---	---	1.73	MEAN

LOCATION - LAT 49 58 00 N LONG 110 03 00 W DRAINAGE AREA, 665 km² REGULATED

MACKAY CREEK NEAR WALSH - STATION NO. 05AH040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	27.8 ON MAR 30	0B ON MAR 01 *	27 500	1951
1952	---	62.9 B ON MAR 28	0B ON MAR 09	43 600	1952
1953	---	66.3 ON JUN 04	0B ON MAR 01	35 400	1953
1954	---	9.03 ON JUN 12	0B ON MAR 01	8 170	1954
1955	---	70.2 ON APR 10 *	0B ON MAR 01	68 200	1955
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		36 600	MEAN

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.048	1.94	1.98	0.900	0.357	0.533	0.333	0.453	---	---	0.815	1983
1984	---	---	0.013	0.802	0.859	5.30	3.23	1.46	1.75	2.18	---	---	1.94	1984
1985	---	---	0.042	4.76	14.5	1.94	0.095	0.014	0.136	0.494	---	---	2.76	1985
1986	---	---	0.101	0.761	3.11	1.92	1.30	1.16	0.181	0.327	---	---	1.11	1986
1987	---	---	0.023	3.76	2.72	3.63	0.886	3.85	0.861	0.573	---	---	2.03	1987
1988	---	---	0.027	2.78	3.90	12.0	24.3	2.19	1.92	1.39	---	---	6.07	1988
1989	---	---	0.019	2.11	11.6	20.4	20.2	9.32	3.91	7.09	---	---	9.34	1989
1990	---	---	0.058	4.43	22.3	12.2	2.81	0.336	0.290	0.100	---	---	5.31	1990
MEAN	---	---	0.041	2.67	7.62	7.29	6.65	2.36	1.17	1.58	---	---	3.67	MEAN

LOCATION - LAT 56 45 35 N LONG 112 36 50 W DRAINAGE AREA, 1 010 km² NATURAL FLOW

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	5.59B ON APR 22	0.040B ON MAR 01	17 200	1983
1984	10.8 AT 16:24 MST ON JUN 08	10.6 ON JUN 08	0.010B ON MAR 01	41 100	1984
1985	---	23.6 E ON MAY 11	0 ON AUG 10 *	58 300	1985
1986	5.07 AT 19:05 MST ON MAY 30	5.00 ON MAY 30	0.007B ON MAR 12	23 500	1986
1987	---	8.00B ON APR 15	0.008B ON MAR 24	42 900	1987
1988	44.1 AT 04:48 MST ON JUL 16 *	44.0 ON JUL 16 *	0.020B ON MAR 01	129 000	1988
1989	35.0 AT 16:30 MST ON JUL 06	34.9 ON JUL 06	0.013B ON MAR 16	198 000	1989
1990	35.5 AT 15:33 MST ON MAY 12	35.4 ON MAY 12	0.020B ON MAR 01	112 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		77 800	MEAN

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.681	2.92	2.07	0.965	---	1972
1973	0.658	0.104	0.155	24.7	39.4	157	39.3	26.3	8.39	19.2	7.29	1.97	39.0	1973
1974	1.17	0.904	0.647	98.5	87.2	22.8	35.8	14.0	5.03	3.77	1.82	1.19	33.3	1974
1975	0.618	0.451	0.469	10.7	36.2	31.3	71.2	39.2	55.7	26.2	5.12	1.93	33.9	1975
1976	0.764	0.592	0.469	66.0	15.1	9.25	13.4	19.4	31.5	17.2	2.63	0.456	21.4	1976
1977	0.418	0.382	0.305	10.5	12.5	14.1	14.6	5.21	2.99	7.08	4.78	0.393	8.40	1977
1978	0.425	0.325	0.362	18.8	39.5	17.2	6.14	4.42	78.2	43.0	7.51	1.92	25.8	1978
1979	1.00	0.520	0.571	2.84	86.6	29.4	4.77	1.75	6.80	5.90	2.92	0.855	17.4	1979
1980	0.558	0.270	0.404	9.54	3.52	4.35	1.10	32.3	22.9	17.4	5.75	0.481	11.4	1980
1981	0.632	0.469	0.778	6.71	27.9	6.97	5.10	1.33	0.137	0.610	0.676	0.396	6.21	1981
1982	0.273	0.225	0.241	9.85	44.2	7.99	1.20	1.81	0.735	1.03	0.970	0.544	8.41	1982
1983	0.544	0.509	0.410	17.2	27.6	8.14	7.19	15.7	3.21	3.59	3.64	0.766	10.4	1983
1984	0.119	0.193	0.460	6.09	10.2	59.9	29.9	9.54	8.78	14.8	4.29	1.40	17.4	1984
1985	0.734	0.540	0.615	25.7	117	13.5	1.39	0.547	0.649	2.83	1.48	0.297	20.3	1985
1986	0.204	0.137	0.170	22.1	50.8	20.1	16.1	16.2	2.93	3.70	1.42	0.810	16.5	1986
1987	0.636	0.543	0.851	37.0	32.0	43.2	12.4	29.7	9.45	6.70	---	---	21.3	1987
1988	---	---	1.01	24.1	44.2	93.7	112	17.8	14.4	9.98	---	---	39.5	1988
1989	---	---	0.762	11.8	72.2	89.4	45	30.0	10.5	25.1	---	---	40.7	1989
1990	---	---	0.674	27.1	128	77.3	18.3	1.58	1.14	1.23	---	---	31.9	1990
MEAN	0.584	0.411	0.520	23.8	48.6	39.2	26.4	14.8	13.9	11.2	3.29	0.958	22.4	MEAN

LOCATION - LAT 57 12 38 N LONG 111 41 36 W DRAINAGE AREA, 5 570 km² NATURAL FLOW

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	306 AT 18:00 MST ON JUN 18	303 ON JUN 18	0.023B ON MAR 02 *	826 000	1973
1974	283 AT 05:00 MST ON APR 20	265 ON APR 20	0.402B ON MAR 27	706 000	1974
1975	130 AT 01:00 MST ON JUL 20	127 ON JUL 19	0.445B ON MAR 01	717 000	1975
1976	---	209 B ON APR 12	0.433B ON MAR 10	452 000	1976
1977	22.9 AT 10:24 MST ON JUL 09	22.7 ON JUL 08	0.198B ON APR 03	178 000	1977
1978	119 AT 19:50 MST ON SEP 09	118 ON SEP 10	0.311B ON MAR 13	546 000	1978
1979	---	142 B ON MAY 02	0.500B ON MAR 01	368 000	1979
1980	56.5 AT 14:00 MST ON AUG 13	54.3 ON AUG 12	0.280B ON MAR 01	242 000	1980
1981	---	45.0B ON APR 30	0.094 ON SEP 20	131 000	1981
1982	70.7 AT 02:00 MST ON APR 29	61.1 ON APR 30	0.220B ON MAR 01	178 000	1982
1983	54.7 AT 14:20 MST ON APR 24	54.5 ON APR 24	0.390B ON MAR 13	220 000	1983
1984	120 AT 15:14 MST ON JUN 02	116 ON JUN 02	0.304B ON MAR 01	368 000	1984
1985	370 AT 23:00 MST ON MAY 06 *	339 ON MAY 06 *	0.290 ON AUG 19	430 000	1985
1986	86.6 AT 10:45 MST ON MAY 01	80.0B ON MAY 01	0.108B ON MAR 04	350 000	1986
1987	---	96.4B ON APR 16	0.440B ON MAR 12	451 000	1987
1988	207 AT 05:00 MST ON JUN 14	201 ON JUN 14	0.845B ON MAR 01	837 000	1988
1989	157 AT 19:32 MST ON JUL 05	155 E ON JUL 05	0.625B ON MAR 07	862 000	1989
1990	215 AT 23:41 MST ON MAY 09	212 ON MAY 10	0.430B ON MAR 27	676 000	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		474 000	MEAN

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO. 05AE014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.377	0.515	0.519	0.514	0.490	0.142	---	---	0.425	1918
1919	---	---	---	---	0.184	0.518	0.550	0.383	0.295	0.056	---	---	0.330	1919
1920	---	---	---	---	0	0.274	0.591	0.549	0.402	0.319	---	---	0.356	1920
1921	---	---	---	---	0.280	0.563	0.637	0.505	0.429	0.331	---	---	0.457	1921
1922	---	---	---	---	0.137	0.539	0.208	0.407	0.279	0.107	---	---	0.278	1922
1923	---	---	---	---	0.315	0.260	0.166	0.312	0.276	0.198	---	---	0.254	1923
1924	---	---	---	---	0.326	0.193	0.426	0.225	0.312	0.169	---	---	0.275	1924
1925	---	---	---	---	0.165	0.445	0.427	0.313	0.188	0.020	---	---	0.259	1925
1926	---	---	---	---	0.280	0.387	0.327	0.262	0.100	0.007	---	---	0.227	1926
1927	---	---	---	---	0.003	0.022	0.160	0.169	0.056	0.005	---	---	0.070	1927
1928	---	---	---	---	0.275	0.196	0.002	0.219	0.272	0.039	---	---	0.166	1928
1929	---	---	---	---	0.042	0.126	0.367	0.414	0.293	0.050	---	---	0.215	1929
1930	---	---	---	---	0.024	0.448	0.329	0.381	0.169	0.020	---	---	0.228	1930
1932	---	---	---	---	0.156	0.135	0.430	0.327	0.225	0.129	---	---	0.234	1932
1933	---	---	---	---	0.016	0.642	0.731	0.588	0.313	0.214	---	---	0.417	1933
1934	---	---	---	---	0.399	0.270	0.593	0.579	0.321	0.066	---	---	0.372	1934
1935	---	---	---	---	0	0.603	0.854	0.564	0.357	0.129	---	---	0.417	1935
1936	---	---	---	---	0.095	0.570	0.636	0.387	0.266	0.018	---	---	0.328	1936
1937	---	---	---	---	0.271	0.199	0.696	0.399	0.341	0.029	---	---	0.323	1937
1938	---	---	---	---	0	0.363	0.492	0.495	0.391	0.043	---	---	0.297	1938
1939	---	---	---	---	0.484	0.221	0.626	0.593	0.385	0.070	---	---	0.397	1939
1940	---	---	---	---	0.054	0.533	0.562	0.297	0.236	0.095	---	---	0.295	1940
1941	---	---	---	---	0.248	0.277	0.461	0.363	0.249	0.105	---	---	0.288	1941
1942	---	---	---	---	0.017	0.053	0.220	0.180	0.103	0.104	---	---	0.113	1942
1943	---	---	---	---	0.083	0.378	0.777	0.811	0.442	0.258	---	---	0.459	1943
1944	---	---	---	0.030	0.394	0.211	0.548	0.480	0.334	0.193	---	---	0.361	1944
1945	---	---	---	---	0.093	0.168	0.380	0.416	0.415	0.109	---	---	0.263	1945
1946	---	---	---	---	0.501	0.115	0.620	0.510	0.370	0.032	---	---	0.359	1946
1947	---	---	---	---	0.082	0.188	0.660	0.482	0.096	0.068	0.001	---	0.264	1947
1948	---	---	---	---	0	0	0.259	0.428	0.366	0.169	---	---	0.204	1948
1949	---	---	---	0.016	0.199	0.174	0.566	0.536	0.456	0.172	---	---	0.351	1949
1950	---	---	---	---	0.057	0.483	0.419	0.695	0.455	0.284	---	---	0.398	1950
1951	---	---	---	---	0	0.040	0.139	0.495	0	0.116	---	---	0.133	1951
MEAN	---	---	---	0.023	0.168	0.306	0.466	0.433	0.293	0.117	0.001	---	0.297	MEAN

LOCATION - LAT 49 22 27 N
LONG 112 53 52 W REGULATED

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO. 05AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---				1918
1919	---	0.617 ON AUG 29	0 ON JUL 01 *	6 760	1919
		0.651 ON JUL 08	0 ON MAY 01	5 250	
1920	---				1920
1921	---	0.793A ON JUL 05	0 ON MAY 01	5 660	1921
1922	---	0.793 ON JUN 30	0 ON MAY 01	7 270	1922
1923	---	0.623 ON JUN 24	0 ON MAY 01	4 420	1923
1924	---	0.484 ON MAY 24	0 ON MAY 01	4 040	1924
		0.538 ON JUL 16	0 ON MAY 01	4 380	
1925	---				1925
1926	---	0.498 ON JUN 28	0 ON MAY 01	4 120	1926
1927	---	0.600 ON JUN 04	0 ON MAY 01	3 610	1927
1928	---	0.408 ON JUL 13	0 ON MAY 01	1 110	1928
1929	---	0.858A ON MAY 28	0 ON MAY 01	2 640	1929
		0.549 ON JUL 25	0 ON MAY 01	3 420	
1930	---	0.736 ON JUN 19	0 ON MAY 01	3 620	1930
1932	---				1932
1933	---	0.648 ON JUL 30	0 E ON MAY 22	3 720	1933
1934	---	0.960 ON JUL 21	0 ON MAY 01	6 630	1934
		0.844 ON JUL 22	0 ON MAY 01	5 920	
1935	---				1935
1936	---	1.06 ON JUL 17	0 ON MAY 01	6 630	1936
1937	---	0.949E ON JUL 02	0 ON MAY 01	5 210	1937
1938	---	0.943A ON JUL 01	0 ON MAY 01	5 130	1938
1939	---	0.824A ON JUL 10	0 ON MAY 01	4 720	1939
		1.01 ON JUL 15	0 ON OCT 02	6 320	
1940	---				1940
1941	---	0.742 ON JUN 01	0 ON MAY 01	4 690	1941
1942	---	0.643 ON JUL 11	0 ON MAY 01	4 570	1942
1943	---	0.481 ON AUG 18	0 ON AUG 31	1 800	1943
1944	---	1.10 ON JUL 10 *	0 ON MAY 01	7 290	1944
		0.994 ON AUG 09	0 ON OCT 24	5 740	
1945	---	0.731 ON JUL 11	0 ON MAY 01	4 180	1945
1946	---	0.861 ON MAY 19	0 ON JUN 02	5 710	1946
1947	---	1.06 ON JUL 17	0 ON MAY 01	4 200	1947
1948	---	0.583 ON AUG 19	0 ON MAY 01	3 240	1948
1949	---	0.773 ON JUL 12	0.011 ON MAY 19	5 580	1949
1950	---	0.909 ON AUG 06	0 ON MAY 01	6 330	1950
1951	---	0.682 ON AUG 08	0 ON MAY 01	2 110	1951
				4 730	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0	0.072	0.167	0.151	0.074	0.011	---	---	0.068	1927
1928	---	---	---	0	0.219	0.205	0.047	0.192	0.249	0.033	---	---	0.135	1928
1929	---	---	---	0	0.009	0.074	0.399	0.375	0.349	0.151	---	---	0.194	1929
1930	---	---	---	0	0.048	0.478	0.601	0.472	0.317	0.114	---	---	0.291	1930
1931	---	---	---	0.027	0.521	0.681	0.689	0.698	0.463	0.200	---	---	0.470	1931
1932	---	---	---	0.001	0.051	0.154	0.793	0.481	0.363	0.209	---	---	0.295	1932
1933	---	---	---	0	0.016	1.08	1.11	0.796	0.396	0.207	---	---	0.515	1933
1934	---	---	---	0	0.792	0.393	0.750	0.587	0.343	0.118	---	---	0.429	1934
1935	---	---	---	0	0	0.750	1.42	0.619	0.306	0.106	---	---	0.458	1935
1936	---	---	---	0	0.299	0.979	0.946	0.516	0.385	0.030	---	---	0.451	1936
1937	---	---	---	0	0.329	0.406	1.06	0.636	0.558	0.097	---	---	0.443	1937
1938	---	---	---	0	0	0.503	0.934	0.423	0.363	0.124	---	---	0.336	1938
1939	---	---	---	0	0.894	0.131	0.866	0.427	0.281	0.034	---	---	0.379	1939
1940	---	---	---	0	0.070	0.935	0.908	0.470	0.334	0.219	---	---	0.419	1940
1941	---	---	---	0	0.363	0.324	0.693	0.439	0.213	0.083	---	---	0.304	1941
1942	---	---	---	0	0	0.046	0.263	0.183	0.115	0.092	---	---	0.101	1942
1943	---	---	---	0	0.025	0.509	0.705	0.741	0.415	0.220	---	---	0.375	1943
1944	---	---	---	0.034	0.540	0.550	0.543	0.505	0.456	0.371	---	---	0.430	1944
1945	---	---	---	0	0.013	0.105	0.433	0.460	0.318	0.160	---	---	0.214	1945
1946	---	---	---	0	0.712	0.401	0.769	0.518	0.457	0.188	---	---	0.437	1946
1947	---	---	---	0	0.077	0.310	0.715	0.531	0.173	0.123	---	---	0.277	1947
1948	---	---	---	0	0	0	0.155	0.356	0.284	0.151	---	---	0.136	1948
1949	---	---	---	0	0.155	0.212	0.495	0.549	0.436	0.322	0.008	---	0.311	1949
1950	---	---	---	0	0.006	0.342	0.490	0.664	0.570	0.412	---	---	0.356	1950
1951	---	---	---	0	0.032	0.062	0.268	0.602	0	0	---	---	0.139	1951
1952	---	---	---	0	0.016	0.480	0.434	0.400	0.381	0.216	---	---	0.275	1952
1953	---	---	---	0	0	0.010	0.407	0.679	0.756	0.294	---	---	0.307	1953
1954	---	---	---	0	0.159	0.653	1.16	1.26	0.171	0.145	---	---	0.511	1954
1955	---	---	---	0	0.006	0.303	0.196	1.20	0.671	0.216	---	---	0.371	1955
1956	---	---	---	0	0.128	0.957	0.410	0.653	0.188	0.196	---	---	0.362	1956
1957	---	---	---	0	0.421	0.821	1.80	1.38	0.695	0.176	---	---	0.759	1957
1958	---	---	---	0	0.169	0.741	1.03	1.21	0.995	1.03	---	---	0.740	1958
1959	---	---	0	0.001	0.067	1.12	1.42	1.06	0.342	0.279	---	---	0.615	1959
1960	---	---	---	0.002	0.058	1.02	1.55	0.696	0.808	0.642	---	---	0.683	1960
1961	---	---	0.003	0.003	0.248	1.64	1.57	0.958	0.570	0.261	---	---	0.750	1961
1962	---	---	---	0.001	0.968	1.27	1.78	1.43	0.511	0.543	0.004	---	0.934	1962
1963	---	---	---	0.135	1.31	1.34	0.755	1.12	0.422	0.887	---	---	0.857	1963
1964	---	---	---	0.008	0.146	0.294	1.29	1.27	0.177	0.251	---	---	0.496	1964
1965	---	---	---	0.003	0.228	0.733	0.410	0.803	0.136	0.146	---	---	0.352	1965
1966	---	---	0	0.002	0.286	0.290	0.755	0.897	0.415	0.085	---	---	0.392	1966
1967	---	---	---	0.003	0.024	0.027	1.36	0.957	0.790	0.678	0.014	---	0.552	1967
1968	---	---	---	0.004	0.069	0.745	1.40	0.658	0.252	0.072	---	---	0.448	1968
1969	---	---	---	0.001	0.904	0.710	0.447	1.15	0.756	0.202	---	---	0.598	1969
1970	---	---	---	0	0.357	0.814	1.60	1.23	0.441	0.376	---	---	0.692	1970
1971	---	---	---	0	0.248	1.07	1.57	1.45	0.721	0.454	---	---	0.791	1971
1972	---	---	---	0	0.078	1.46	0.890	1.15	0.230	0.166	---	---	0.567	1972
1973	---	---	---	0	1.15	1.25	2.47	1.69	0.841	0.584	---	---	1.15	1973
1974	---	---	---	0	0	0.840	1.95	1.21	0.260	0.328	---	---	0.661	1974
1975	---	---	---	0	0	0.370	1.20	1.19	0.436	0.371	---	---	0.514	1975
1976	---	---	---	0	0.311	1.09	1.18	0.206	0.374	0.376	---	---	0.507	1976
1977	---	---	---	0	1.47	2.18	2.32	0.415	0.033	0.238	---	---	0.955	1977
1978	---	---	---	0	0.010	0.353	0.560	0.619	0.033	0.228	---	---	0.259	1978
1979	---	---	---	0	0	1.06	2.04	0.891	0.192	0.234	---	---	0.634	1979
1980	---	---	---	0	0.631	0.120	1.66	0.707	0.289	0.342	---	---	0.541	1980
1981	---	---	---	0	0	0.086	0.946	0.615	0.690	0.409	---	---	0.394	1981
1982	---	---	---	0	0.050	1.10	0.949	1.24	0.860	0.203	---	---	0.628	1982
1983	---	---	---	0	0.192	1.46	0.873	1.00	0.839	0.226	---	---	0.654	1983
1984	---	---	---	0	0.390	1.30	2.35	1.49	0.876	0.157	---	---	0.940	1984
1985	---	---	---	0	0.591	1.69	2.95	0.822	0.071	0.131	---	---	0.898	1985
1986	---	---	---	0	0.149	1.26	1.75	0.841	0.305	0.052	---	---	0.623	1986
1987	---	---	---	0	0.698	1.73	1.06	0.289	0.368	0.125	---	---	0.609	1987
1988	---	---	---	0.167	1.31	2.06	1.92	0.783	0.883	0.007	---	---	1.02	1988
1989	---	---	---	0	0.463	0.372	1.87	0.807	0.079	0.138	---	---	0.538	1989
1990	---	---	---	0	0.020	0.208	1.87	0.982	0.951	0.301	---	---	0.622	1990
MEAN	---	---	0.001	0.006	0.289	0.699	1.07	0.777	0.422	0.243	0.009	---	0.503	MEAN

LOCATION - LAT 49 20 55 N
LONG 113 03 15 W REGULATED

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	0.292 ON JUL 07	0 ON APR 01 *	1 260	1927
1928	---	0.671 ON MAY 27	0 ON APR 01	2 500	1928
1929	---	0.691 ON OCT 23	0 ON APR 01	3 590	1929
1930	---	0.980 ON JUL 05	0 ON APR 01	5 370	1930
1931	---	0.980 ON AUG 06	0 ON APR 01	8 680	1931
1932	---	1.12 ON JUL 25	0 ON APR 01	5 450	1932
1933	---	1.58 ON JUN 22	0 ON APR 01	9 520	1933
1934	---	1.21 A ON MAY 27	0 ON APR 01	7 930	1934
1935	---	1.61 ON JUL 13	0 ON APR 01	8 470	1935
1936	---	1.64 ON JUN 26	0 ON APR 01	8 330	1936
1937	---	1.47 ON JUL 13	0 ON APR 01	8 200	1937
1938	---	1.46 ON JUL 21	0 ON APR 01	6 210	1938
1939	---	1.53 A ON MAY 19	0 ON APR 01	7 020	1939
1940	---	1.36 ON JUL 05	0 ON APR 01	7 760	1940
1941	---	1.05 ON JUL 10	0 ON APR 01	5 620	1941
1942	---	0.487 ON JUL 24	0 ON APR 01	1 860	1942
1943	---	0.881 ON AUG 03	0 ON APR 01	6 930	1943
1944	---	0.912 ON JUL 07	0 ON APR 01	7 940	1944
1945	---	0.685 ON JUL 29	0 ON APR 01	3 950	1945
1946	---	1.04 ON MAY 24	0 ON APR 01	8 080	1946
1947	---	1.31 ON JUL 19	0 ON APR 01	5 120	1947
1948	---	0.779 ON OCT 13	0 ON APR 01	2 510	1948
1949	---	0.657 ON AUG 04	0 ON APR 01	5 760	1949
1950	---	1.00 ON JUN 29	0 ON APR 01	6 580	1950
1951	---	0.946 ON AUG 02	0 ON APR 01	2 580	1951
1952	---	0.799 ON JUL 15	0 ON APR 01	5 090	1952
1953	---	0.963 ON AUG 22	0 ON APR 01	5 680	1953
1954	---	2.18 ON AUG 12	0 ON APR 01	9 440	1954
1955	---	1.61 ON AUG 16	0 ON APR 01	6 870	1955
1956	---	1.73 ON JUN 12	0 ON APR 01	6 690	1956
1957	---	2.29 ON JUL 25	0 ON APR 01	14 000	1957
1958	---	1.61 ON JUL 17	0 ON APR 01	13 700	1958
1959	---	2.35 ON JUL 30	0 E ON APR 01	11 400	1959
1960	---	2.18 ON JUL 20	0 E ON APR 01	12 600	1960
1961	---	2.58 ON JUN 07	0 ON MAY 01	13 900	1961
1962	---	2.15 ON JUL 25	0 ON APR 11	17 300	1962
1963	---	2.23 ON JUN 20	0 ON APR 09	15 800	1963
1964	---	1.96 ON AUG 12	0 ON APR 15	9 170	1964
1965	---	1.94 ON JUN 11	0 E ON APR 14	6 510	1965
1966	---	2.17 ON AUG 04	0 ON APR 01	7 250	1966
1967	---	2.12 ON JUL 31	0 B ON APR 18	10 200	1967
1968	---	2.04 ON JUL 17	0.003 ON APR 08	8 290	1968
1969	---	2.41 ON AUG 05	0 ON OCT 24	11 100	1969
1970	---	2.79 ON JUL 16	0 ON APR 01	12 800	1970
1971	---	2.23 ON JUL 22	0 ON APR 01	14 600	1971
1972	---	2.31 ON AUG 11	0 ON APR 01	10 500	1972
1973	---	3.14 ON JUL 20	0 ON APR 01	21 200	1973
1974	---	2.73 ON AUG 02	0 E ON APR 01	12 200	1974
1975	---	2.29 ON JUL 24	0 ON APR 01	9 500	1975
1976	---	2.41 ON JUN 01	0 ON APR 01	9 370	1976
1977	---	3.57 ON JUL 22 *	0 E ON APR 01	17 700	1977
1978	---	1.43 ON AUG 11	0 E ON APR 01	4 800	1978
1979	---	2.66 ON JUL 20	0 ON APR 01	11 700	1979
1980	---	2.22 ON MAY 22	0 A ON APR 01	9 990	1980
1981	---	1.77 ON JUL 21	0 ON APR 01	7 290	1981
1982	---	1.65 ON JUN 27	0 E ON APR 01	11 600	1982
1983	---	2.07 ON JUN 29	0 ON APR 01	12 100	1983
1984	---	2.69 ON JUL 18	0 ON APR 01	17 400	1984
1985	---	3.57 ON JUL 08	0 ON APR 01	16 600	1985
1986	---	2.13 ON JUN 27	0 ON APR 01	11 500	1986
1987	---	2.17 ON JUN 11	0 ON APR 01	11 300	1987
1988	---	2.71 ON JUN 27	0 ON APR 01	18 800	1988
1989	---	2.99 ON JUL 09	0 ON APR 01	9 950	1989
1990	---	2.61 ON JUL 17	0 ON APR 01	11 500	1990
				9 290	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	60.9	45.3	41.5	18.6	---	---	---	1916
1917	---	---	---	---	10.9	33.3	49.8	38.4	18.7	---	---	---	---	1917
1918	---	---	---	---	10.3	33.5	57.4	74.9	22.0	---	---	---	---	1918
1919	---	---	---	---	---	---	---	44.1	43.2	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	32.5	---	---	---	---	1920
1972	---	---	---	---	---	---	---	---	---	11.6	6.06	3.76	---	1972
1973	2.82	2.59	2.19	2.46	13.1	35.8	40.3	38.1	15.4	9.08	5.84	4.57	14.4	1973
1974	3.83	3.05	2.34	2.77	7.13	30.6	59.3	44.2	38.9	14.6	7.64	4.68	18.4	1974
1975	3.06	2.40	2.08	2.26	7.61	30.0	43.8	41.4	20.3	9.26	7.87	4.57	14.6	1975
1976	3.10	2.72	2.17	2.71	15.8	29.0	41.2	41.8	39.8	14.4	5.60	3.88	16.9	1976
1977	3.14	2.35	1.98	3.42	14.8	41.1	46.2	43.1	25.3	11.3	5.92	4.33	17.0	1977
1978	3.19	2.65	2.12	2.55	---	---	---	---	43.9	20.6	7.78	4.78	---	1978
1979	3.08	2.79	2.51	2.58	8.20	37.3	41.8	30.4	18.4	9.99	4.87	3.69	13.9	1979
1980	2.68	2.35	2.32	4.26	26.9	41.3	37.5	26.8	18.6	12.2	5.20	4.55	15.4	1980
1981	3.63	2.27	1.92	2.25	14.3	32.9	33.3	37.2	22.6	10.0	5.29	3.63	14.2	1981
1982	3.03	2.39	1.93	1.86	6.83	37.7	52.1	45.0	39.3	13.8	6.12	4.12	18.8	1982
1983	3.18	2.77	2.52	2.75	7.28	34.7	38.2	25.0	16.1	9.56	7.40	4.06	12.8	1983
1984	3.05	2.53	2.15	2.63	4.29	33.4	43.1	42.0	36.8	14.8	6.39	3.87	16.3	1984
1985	3.14	2.70	2.18	2.43	14.5	37.3	43.1	27.3	18.7	9.55	5.01	3.61	14.2	1985
1986	2.65	2.07	2.22	2.17	10.1	45.4	52.5	43.4	33.9	12.8	6.33	3.98	18.2	1986
1987	2.83	2.22	2.23	2.54	16.0	37.8	33.5	41.1	19.8	9.54	5.04	3.42	14.7	1987
1988	2.31	2.25	2.21	4.08	15.4	33.6	27.2	29.4	17.8	10.2	5.91	3.74	12.9	1988
1989	2.82	2.56	2.24	2.71	11.6	37.3	41.4	43.8	32.3	13.1	7.47	4.95	16.9	1989
1990	3.46	2.90	2.75	3.41	12.4	46.1	63.8	42.7	37.8	12.8	7.68	5.13	20.2	1990
MEAN	3.06	2.53	2.23	2.77	12.0	36.2	45.4	40.2	28.4	12.4	6.29	4.16	15.9	MEAN

LOCATION - LAT 52 55 51 N
LONG 118 01 34 W
DRAINAGE AREA, 908 km²
NATURAL FLOW

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	94.3 ON JUL 14 *	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1972	---	---	---	---	1972
1973	51.0 AT 12:00 MST ON JUN 24	48.1 ON JUN 24	1.84 ON MAR 31	456 000	1973
1974	74.2 AT 09:40 MST ON JUL 19	72.8 ON JUL 19	2.10 ON MAR 26	579 000	1974
1975	49.8 AT 21:00 MST ON JUL 02	46.7 ON JUL 03	1.89 ON MAR 29	462 000	1975
1976	45.0 AT 01:00 MST ON AUG 04	44.2 ON AUG 04	1.91 ON APR 01	535 000	1976
1977	51.3 AT 17:30 MST ON JUL 29	48.7 ON JUL 09	1.78 ON MAR 14	536 000	1977
1978	---	---	2.00 ON APR 13	---	1978
1979	45.9 AT 17:00 MST ON JUL 11	44.4 ON JUL 11	2.27 ON MAR 28	437 000	1979
1980	48.5 AT 14:10 MST ON JUN 24	47.5 ON JUN 24	2.10 ON FEB 14	488 000	1980
1981	41.5 AT 16:30 MST ON JUL 22	41.4 ON JUL 22	1.74 ON MAR 20	448 000	1981
1982	92.2 AT 13:35 MST ON JUL 08 *	89.3 ON JUL 08	1.56 ON APR 07 *	592 000	1982
1983	44.0 AT 07:20 MST ON JUN 24	42.9 ON JUN 24	2.33 ON MAR 18	405 000	1983
1984	52.5 AT 17:35 MST ON JUN 29	50.5 ON JUN 29	2.05 ON APR 11	515 000	1984
1985	46.3 AT 02:00 MST ON JUL 05	45.6 ON JUL 05	1.86 ON MAR 26	447 000	1985
1986	70.5 AT 17:00 MST ON JUL 24	69.6 ON JUL 24	1.92 ON FEB 17	574 000	1986
1987	47.7 AT 02:15 MST ON AUG 05	47.3 ON AUG 05	1.90 ON FEB 25	465 000	1987
1988	38.8 AT 22:11 MST ON JUN 16	38.4 ON JUN 11	1.79 ON FEB 01	407 000	1988
1989	56.5 AT 20:32 MST ON AUG 16	52.1 ON AUG 17	2.09 ON APR 04	534 000	1989
1990	89.1 AT 22:25 MST ON JUL 07	87.6 ON JUL 09	2.51 ON APR 10	636 000	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		501 000	MEAN

MAMI CREEK AT MOUNTAIN VIEW - STATION NO. 05AD001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.138	0.198	0.087	0.005	0	0.079	0.101	---	---	---	1910
1912	---	---	---	0.524	0.332	0.121	0.117	0.095	0.029	0.093	---	---	---	1912
1913	---	---	---	---	0.446	0.148	0.065	0.043	0.030	0.037	---	---	---	1913
1914	---	---	---	---	0.344	0.163	0.068	0.027	0.036	0.146	---	---	---	1914
1915	---	---	---	0.349	0.775	2.96	1.19	0.794	0.483	0.697	---	---	---	1915
1916	---	---	---	0.781	1.19	1.30	1.07	0.184	0.123	0.167	---	---	---	1916
1922	---	---	0.002	0.231	0.841	0.238	0.163	0.019	0.009	0.017	---	---	0.190	1922
1923	---	---	0.056	0.150	0.095	0.484	0.176	0.106	0.037	0.072	---	---	0.146	1923
1924	---	---	0.038	0.321	0.261	0.838	0.130	0.205	0.016	0.041	---	---	0.229	1924
1925	---	---	0.184	1.04	0.658	0.227	0.056	0.013	0.051	0.147	---	---	0.295	1925
1926	---	---	0.038	0.093	0.020	0.091	0.018	0.002	0.186	0.092	---	---	0.067	1926
1927	---	---	0.046	1.26	6.29	4.49	0.384	0.423	0.987	0.767	---	---	1.83	1927
1928	---	---	1.12	1.72	0.476	0.732	1.12	0.275	0.129	0.149	---	---	0.713	1928
1929	---	---	0.071	0.425	1.08	0.602	0.130	0.011	0.008	0.013	---	---	0.292	1929
1930	---	---	0.409	0.577	0.581	0.273	0.073	0.008	0.018	0.013	---	---	0.243	1930
1931	---	---	0.051	0.042	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.062	0.083	---	---	---	1935
1936	---	---	0.073	---	0.064	0.136	---	---	---	---	---	---	---	1936
MEAN	---	---	0.190	0.547	0.853	0.806	0.318	0.147	0.143	0.165	---	---	0.445	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA, 56.7 km²
LONG 113 35 00 W NATURAL FLOW

MAMI CREEK AT MOUNTAIN VIEW - STATION NO. 05AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	0.566 ON MAY 19	0 ON JUL 18 *	---	1910
1912	---	1.05 ON APR 06	---	---	1912
1913	---	---	---	---	1913
1914	---	0.736 ON MAY 11	---	---	1914
1915	---	6.91 ON JUN 03	---	---	1915
1916	---	6.77 ON JUL 02	0 ON JUN 24	---	1916
1922	---	1.76 ON MAY 06	0 ON MAR 01	4 030	1922
1923	---	0.940 ON JUN 01	0.020 ON MAY 22	3 090	1923
1924	---	2.18 ON JUN 07	0.006 ON SEP 13	4 860	1924
1925	---	1.59 ON APR 25	0 ON AUG 07	6 250	1925
1926	---	1.16 ON JUN 20	0 B ON MAR 01	1 410	1926
1927	---	27.6 ON MAY 29 *	0.008B ON MAR 01	38 600	1927
1928	---	8.83 ON MAR 31	0 B ON MAR 01	15 100	1928
1929	---	2.46 ON JUN 03	0 ON AUG 19	6 180	1929
1930	---	2.01 B ON MAR 19	0 E ON AUG 28	5 150	1930
1931	---	---	---	---	1931
1935	---	---	0 ON SEP 01	---	1935
1936	---	---	0 B ON MAR 31	---	1936
				9 410	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO. 05AD024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.018	0.015	0.045	0.014	0.014	0.007	0.002	---	---	0.016	1961
1962	---	---	---	0.043	0.021	0.036	0.013	0.042	0.012	0.028	---	---	0.028	1962
1963	---	---	---	0.019	0.011	0.008	0.008	0.137	0.012	0.004	0.036	---	0.029	1963
1964	---	---	---	0.048	0.063	0.230	0.039	0.065	0.023	0.010	0.019	---	0.068	1964
1965	---	---	---	0.291	0.168	0.056	0.035	0.138	0.006	0.010	0.083	---	0.100	1965
1966	---	---	---	0.135	0.144	0.031	0.045	0.043	0.006	0.002	---	---	0.058	1966
1967	---	---	---	0.279	0.899	1.46	0.042	0.086	0.015	0.004	---	---	0.395	1967
1968	---	---	---	0.079	0.059	0.027	0.011	0.032	0.023	0.009	0.057	---	0.034	1968
1969	---	---	---	0.175	0.144	0.088	0.827	0.040	0.021	0.015	---	---	0.188	1969
1970	---	---	---	0.098	0.043	0.137	0.090	0.178	0.037	0.002	---	---	0.083	1970
1971	---	---	---	0.112	0.018	0.008	0.008	0.023	0.006	0.006	---	---	0.026	1971
1972	---	---	---	0.040	0.070	0.416	0.030	0.012	0.044	0.001	---	---	0.086	1972
1973	---	---	---	0.073	0.022	0.017	0.035	0.015	0.005	0.025	---	---	0.027	1973
1974	---	---	---	---	0.143	0.094	0.085	0.187	0.052	0.042	---	---	---	1974
MEAN	---	---	---	0.108	0.130	0.190	0.092	0.072	0.019	0.011	0.049	---	0.088	MEAN

LOCATION - LAT 49 06 51 N DRAINAGE AREA, 35.2 km²
LONG 113 37 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1966

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO. 05AD024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	0.232 ON APR 26	0 ON OCT 19 *	304	1961
1962	---	0.323 ON OCT 07	0 ON JUN 15	514	1962
1963	---	0.821 ON AUG 11	0 ON OCT 29	531	1963
1964	---	0.597E ON JUN 08	0.003 ON JUN 24	1 250	1964
1965	---	0.549 ON AUG 24	0 ON SEP 12	1 860	1965
1966	---	0.306 ON MAY 07	0 ON JUN 06	1 070	1966
1967	---	2.49 ON MAY 31 *	0 ON OCT 17	7 310	1967
1968	---	0.340 ON MAY 24	0 ON MAY 09	630	1968
1969	---	2.38 ON JUL 09	0 ON OCT 02	3 480	1969
1970	---	0.932B ON APR 06	0 ON OCT 08	1 540	1970
1971	---	0.176 ON AUG 19	0 ON JUN 21	474	1971
1972	---	1.23 ON JUN 02	0 ON APR 01	1 600	1972
1973	---	0.198 ON APR 30	0.002 ON OCT 18	506	1973
1974	---	0.606 ON AUG 08	---	---	1974
				1 620	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 06AC009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.016	0.819	0.362	0.068	0.024	0.009	0	0	---	---	0.161	1981
1982	---	---	0	0.007	0.012	0	0	0	0	0	---	---	0.002	1982
1983	---	---	0	0	0	0.001	0.021	0.020	0.004	0.001	---	---	0.006	1983
1984	---	---	0.006	0.316	0.196	0.201	0.057	0.011	0.002	0.001	---	---	0.098	1984
1985	---	---	0.004	0.005	0.287	0.108	0.007	0.001	0.001	0.001	---	---	0.052	1985
1986	---	---	0.001	0.001	0.005	0	0	0.001	0.001	0.001	---	---	0.001	1986
1987	---	---	0	0.021	0.031	0.001	0.001	0.001	0.001	0	---	---	0.007	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1990
MEAN	---	---	0.003	0.117	0.089	0.038	0.011	0.004	0.001	0	---	---	0.033	MEAN

LOCATION - LAT 54 26 59 N
LONG 110 56 13 W
DRAINAGE AREA, 449 km^2
REGULATED SINCE 1983

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 06AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	1.36 A ON APR 09 *	0B ON MAR 01 *	3 400	1981
1982	---	0.037RE ON APR 26	0B ON MAR 01	52.1	1982
1983	---	0.029E ON AUG 02	0B ON MAR 01	126	1983
1984	---	0.528E ON APR 12	0B ON MAR 01	2 070	1984
1985	0.514 AT 11:39 MST ON MAY 12 *	0.480 ON MAY 12	0B ON MAR 01	1 100	1985
1986	0.040 AT 19:34 MST ON MAY 05	0.039 ON MAY 05	0B ON MAR 01	27.6	1986
1987	0.056 AT 15:14 MST ON APR 22	0.054 ON APR 25	0B ON MAR 01	150	1987
1988	---	0 B ON MAR 01	0B ON MAR 01	0	1988
1989	0.013 AT 23:05 MST ON APR 08	0.005B ON APR 09	0B ON MAR 01	1.21	1989
1990	0.053B AT 15:40 MST ON APR 03	0.018B ON APR 03	0B ON MAR 01	4.32	1990
				693	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	0.352	0.148	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	0.098	0.023	0	0	0	0	---	---	---	1912
1913	---	---	0.318	0.791	0.089	0.039	0	0	0	0	---	---	---	1913
1914	---	---	0.403	0.534	0	0.090	0	0	0	0.139	---	---	---	1914
1915	---	---	1.07	0.633	0	0.040	0.223	0.123	0	0	---	---	---	1915
1916	---	---	---	0.039	0.585	1.58	1.65	0.021	1.14	---	---	---	---	1916
1917	---	---	0.047	3.18	0.528	0.045	0.017	0	0	0	---	---	---	1917
1919	---	---	0.019	1.22	0.028	0.003	0	0	0	0	---	---	---	1919
1920	---	---	1.14	1.56	0.323	0.038	0.028	0	0	0	---	---	---	1920
1921	---	---	0.751	4.30	0.297	0.102	0.007	0	0	0	---	---	---	1921
1922	---	---	0.119	7.59	0.238	0.015	0.049	0.023	0	0	---	---	---	1922
1923	---	---	0.544	1.00	0.048	0.262	0.201	0.179	0	0	---	---	---	1923
1924	---	0.043	0.037	0.326	0.001	0.033	0	0.005	0	0	---	---	0.049	1924
1925	---	---	1.62	1.82	0.033	0.026	0	0.006	0.087	0.022	---	---	---	1925
1926	---	0.126	1.63	0.043	0.004	0.015	0	0.217	0.164	0	---	---	0.248	1926
1927	---	---	0.578	2.65	1.20	0.085	0.200	0.039	0.010	0.034	---	---	---	1927
1928	---	---	6.24	1.56	0.137	0.026	0.285	0.088	0	0	---	---	---	1928
1929	---	---	0.915	1.16	0.414	0.012	0	0	0	0	---	---	---	1929
1930	---	0.504	0.416	0.773	0.019	0.001	0.005	0	0.058	0.010	---	---	0.194	1930
1931	---	---	0.113	0.032	0	0	---	---	---	---	---	---	---	1931
1935	---	---	---	1.94	0.145	0.037	---	---	---	---	---	---	---	1935
1936	---	---	0.121	2.04	0.032	0.008	---	---	---	---	---	---	---	1936
1937	---	---	0.079	1.95	0.017	0.005	---	---	---	---	---	---	---	1937
1938	---	---	0.645	1.04	0.214	0.151	---	---	---	---	---	---	---	1938
1939	---	---	2.52	0.219	0.030	0.375	---	---	---	---	---	---	---	1939
1940	---	---	0	3.97	0.397	0.057	---	---	---	---	---	---	---	1940
1941	---	---	2.26	0.071	0.001	0.049	---	---	---	---	---	---	---	1941
1942	---	---	0.291	0.700	0.227	1.70	---	---	---	---	---	---	---	1942
1943	---	---	4.09	1.18	0.053	0.020	---	---	---	---	---	---	---	1943
1944	---	---	0.003	0.033	0	0.057	---	---	---	---	---	---	---	1944
1945	---	---	1.11	0.022	0	0	---	---	---	---	---	---	---	1945
1946	---	---	1.98	0.106	0	0.060	---	---	---	---	---	---	---	1946
1947	---	---	1.85	3.12	0.067	0.035	---	---	---	---	---	---	---	1947
1948	---	---	0.034	6.85	---	---	---	---	---	---	---	---	---	1948
1949	---	---	0.255	0.266	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.016	1.47	0.022	0	---	---	---	---	---	---	---	1950
1951	---	---	0	5.89	1.60	0	---	---	---	---	---	---	---	1951
1952	---	---	0.036	6.04	0.171	0.002	---	---	---	---	---	---	---	1952
1953	---	---	0.682	2.24	1.08	0.265	---	---	---	---	---	---	---	1953
1954	---	---	0.006	1.04	0.137	0	---	---	---	---	---	---	---	1954
1955	---	---	0.330	6.76	1.22	0.022	---	---	---	---	---	---	---	1955
1956	---	---	0.667	1.37	0.059	0.101	---	---	---	---	---	---	---	1956
1957	---	---	0.907	3.29	0.056	0.030	0	0	0	0	---	---	---	1957
1958	---	---	0.936	4.03	0.064	0.001	0	0	0	0	---	---	---	1958
1959	---	---	2.20	0.936	0.024	0.024	0.002	0	0	0	---	---	---	1959
1960	---	---	3.02	0.779	0.331	0.005	0	0.002	0	0	---	---	---	1960
1961	---	---	0.205	0	0	0	0.005	0	0	0	---	---	---	1961
1962	---	---	0.374	0.055	0	0.163	0.011	0	0	0	---	---	---	1962
1963	---	---	0.694	0.201	0.002	0.080	0.485	0	0	0	---	---	---	1963
1964	---	---	0.379	0.949	0.387	0	0	0	0.042	0	---	---	---	1964
1965	---	---	0	6.12	0.331	1.44	0.401	0.002	0.026	0.003	---	---	---	1965
1966	---	---	2.67	0.626	0.162	0.244	0.072	0	0	0	---	---	---	1966
1967	---	---	0.183	3.26	2.10	0.112	0	0	0	0	---	---	---	1967
1968	---	---	0.168	0.096	0.017	0.043	0	0	0.044	0	---	---	---	1968
1969	---	---	0.197	3.72	0.034	0.002	0.002	0	0	0	---	---	---	1969
1970	---	---	0.140	2.09	0.181	0.380	0.052	0	0	0	---	---	---	1970
1971	---	---	0.040	1.49	0.111	0.046	0.002	0	0	0	---	---	---	1971
1972	---	---	1.70	0.091	0.023	0	0	0	0	0	---	---	---	1972
1973	---	---	0.123	0	0	0.243	0	0	0	0	---	---	---	1973
1974	---	---	0.450	1.38	0.401	0.078	0.070	0	0	0	---	---	---	1974
1975	---	---	0	1.38	1.69	0.714	0.001	0.007	0	0.001	---	---	---	1975
1976	---	---	1.89	0.368	0.029	0.213	0.001	0.072	0	0	---	---	---	1976
1977	---	---	0.012	0	0.031	0.005	0.001	0	0	0	---	---	---	1977
1978	---	---	0.572	2.54	0.730	0.023	0.205	0	0.191	0	---	---	---	1978
1979	---	---	3.34	2.12	0.352	0.007	0.001	0	0	0	---	---	---	1979
1980	---	---	0.198	0.059	0	0	0	0	0	0	---	---	---	1980
1981	---	0.623	0.024	0	0.056	0.014	0.177	0	0	0	---	---	0.095	1981
1982	---	0	0.158	3.06	0.542	0.618	0.001	0.004	0	0	---	---	0.485	1982
1983	---	0.374	0.747	0.014	0.202	0.002	0.196	0	0	0	---	---	0.170	1983
1984	---	0	0.142	0.045	0.001	0	0	0	0	0	---	---	0.021	1984
1985	---	0	1.16	1.48	0.268	0.009	0	0	0.109	0	---	---	0.337	1985
1986	---	1.09	1.03	0.030	0.396	0.198	0	0	1.54	0.100	---	---	0.480	1986
1987	---	0.461	2.16	0.301	0.007	0	0	0.018	0	0	---	---	0.329	1987
1988	---	0.019	0.054	0.110	0	0	0	0	0	0	---	---	0.020	1988
1989	---	0	0.343	0.049	0.052	0.060	0.073	0.008	0.006	0	---	---	0.067	1989
1990	---	0.131	2.09	0.169	0.305	0.013	0	0	0	0	---	---	0.305	1990
MEAN	---	0.259	0.851	1.58	0.248	0.137	0.085	0.016	0.066	0.006	---	---	0.215	MEAN

LOCATION - LAT 49 21 30 N DRAINAGE AREA, 339 km²
LONG 110 43 30 W NATURAL FLOW

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	6.23 E ON JUL 01	0 ON JUN 05 *	---	1911
1912	---	---	0 ON JUN 26	---	1912
1913	---	2.15 ON MAY 14	0 ON MAR 01	---	1913
1914	---	2.38 ON MAR 14	0 ON MAR 01	---	1914
1915	---	8.52 ON MAR 25	0 ON MAR 01	---	1915
1916	---	28.6 ON JUN 11	---	---	1916
1917	---	8.92 ON APR 09	0 ON MAR 01	---	1917
1919	---	10.4 ON APR 17	0 ON MAR 01	---	1919
1920	---	6.65 ON APR 14	0B ON MAR 01	---	1920
1921	52.1 AT 07:00 MST ON APR 14	41.3 ON APR 14	0 ON JUN 12	---	1921
1922	58.6 AT 19:00 MST ON APR 21	50.7 ON APR 21	0 ON MAR 01	---	1922
1923	14.6 AT 07:00 MST ON AUG 10	4.42 ON AUG 10	0B ON MAR 01	---	1923
1924	---	2.27 ON APR 07	0B ON FEB 01	1 150	1924
1925	21.2 B AT 07:00 MST ON MAR 30	13.4 B ON MAR 29	0B ON MAR 01	---	1925
1926	14.0 B ON MAR 03	7.96 B ON MAR 04	0 ON FEB 01	5 840	1926
1927	24.4 AT 13:00 MST ON MAY 23	17.6 ON MAY 23	0B ON MAR 01	---	1927
1928	59.7 B ON MAR 20	43.9 B ON MAR 21	0B ON MAR 01	---	1928
1929	13.0 AT 07:00 MST ON MAR 29	10.5 ON APR 30	0B ON MAR 01	---	1929
1930	6.20 ON APR 04	5.30 ON APR 03	0B ON FEB 01	4 580	1930
1931	---	0.654 ON MAR 20	0 ON MAR 10	---	1931
1935	22.5 AT 07:00 MST ON APR 17	17.0 E ON APR 16	0 ON JUN 11	---	1935
1936	---	11.9 ON APR 12	0B ON MAR 01	---	1936
1937	18.6 ON APR 10	13.9 ON APR 10	0B ON MAR 01	---	1937
1938	6.23 AT 08:00 MST ON APR 10	5.80 ON APR 10	0B ON MAR 01	---	1938
1939	20.4 B AT 08:00 MST ON MAR 22	16.4 B ON MAR 21	0B ON MAR 01	---	1939
1940	27.3 AT 11:00 MST ON APR 21	24.7 ON APR 21	0B ON MAR 01	---	1940
1941	---	14.0 ON MAR 20	0 ON MAR 01	---	1941
1942	31.1 AT 07:00 MST ON JUN 26	22.7 ON JUN 26	0B ON MAR 01	---	1942
1943	85.8 AT 07:00 MST ON MAR 29 *	54.1 ON MAR 29 *	0 ON MAR 01	---	1943
1944	---	1.41 ON JUN 13	0B ON MAR 01	---	1944
1945	3.54 AT 08:00 MST ON MAR 21	3.45 ON MAR 23	0B ON MAR 01	---	1945
1946	9.57 AT 08:00 MST ON MAR 20	9.46 ON MAR 20	0B ON MAR 01	---	1946
1947	27.3 AT 08:00 MST ON APR 02	20.7 ON APR 01	0B ON MAR 01	---	1947
1948	---	31.7 ON APR 17	0B ON MAR 01	---	1948
1949	---	1.59 ON MAR 25	0 ON MAR 01	---	1949
1950	---	8.13 ON APR 14	0 ON MAR 01	---	1950
1951	---	24.9 ON APR 05	0B ON MAR 01	---	1951
1952	---	24.3 ON APR 13	0B ON MAR 01	---	1952
1953	---	10.5 ON APR 24	0B ON MAR 01	---	1953
1954	---	8.50 B ON APR 09	0B ON APR 01	---	1954
1955	30.9 ON APR 09	27.1 ON APR 09	0B ON MAR 01	---	1955
1956	---	7.48 B ON MAR 26	0B ON MAR 01	---	1956
1957	19.3 AT 15:00 MST ON APR 01	15.5 ON APR 01	0B ON MAR 01	---	1957
1958	28.0 A AT 09:00 MST ON APR 04	24.6 A ON APR 04	0 ON MAY 29	---	1958
1959	15.7 B AT 23:00 MST ON MAR 26	10.8 ON MAR 27	0B ON MAR 01	---	1959
1960	15.0 AT 13:00 MST ON MAR 27	11.9 ON MAR 27	0B ON MAR 01	---	1960
1961	1.76 AT 01:15 MST ON MAR 17	1.23 ON MAR 17	0B ON MAR 07	---	1961
1962	8.30 AT 12:00 MST ON JUN 15	3.40 ON JUN 14	0B ON MAR 01	---	1962
1963	8.75 AT 11:00 MST ON JUL 01	6.71 ON JUL 01	0 ON MAY 09	---	1963
1964	6.29 AT 12:00 MST ON APR 02	5.61 ON APR 02	0 ON MAR 01	---	1964
1965	---	27.1 ON APR 14	0B ON MAR 01	---	1965
1966	---	7.65 ON MAR 31	0B ON MAR 01	---	1966
1967	14.8 AT 12:00 MST ON APR 28	11.3 ON APR 11	0B ON MAR 01	---	1967
1968	1.38 AT 03:00 MST ON JUN 09	0.793B ON MAR 01	0B ON MAR 13	---	1968
1969	23.3 AT 04:00 MST ON APR 03	16.4 ON APR 03	0B ON MAR 01	---	1969
1970	32.6 AT 06:50 MST ON APR 07	16.4 ON APR 07	0B ON FEB 25	---	1970
1971	5.44 AT 09:30 MST ON APR 07	4.08 ON APR 07	0B ON MAR 01	---	1971
1972	24.0 AT 11:30 MST ON MAR 17	15.3 ON MAR 17	0B ON MAR 01	---	1972
1973	4.16 AT 08:45 MST ON JUN 16	2.61 ON JUN 16	0 ON MAR 24	---	1973
1974	7.48 AT 11:50 MST ON MAR 30	5.07 ON MAR 30	0B ON MAR 01	---	1974
1975	19.6 AT 03:30 MST ON JUN 20	11.6 ON JUN 20	0B ON MAR 01	---	1975
1976	23.7 B AT 03:50 MST ON MAR 18	12.7 B ON MAR 18	0B ON MAR 04	---	1976
1977	1.54 AT 07:00 MST ON MAY 16	0.753 ON MAY 16	0B ON MAR 18	---	1977
1978	8.58 AT 09:30 MST ON MAR 31	6.82 ON MAR 31	0B ON FEB 28	---	1978
1979	13.5 AT 16:15 MST ON MAR 16	12.3 ON MAR 17	0B ON FEB 28	---	1979
1980	---	---	---	---	1980
1981	5.10 AT 23:00 MST ON JUL 13	4.56 B ON FEB 19	0B ON FEB 01	2 230	1981
1982	---	16.8 B ON APR 14	0B ON FEB 01	11 400	1982
1983	---	6.45 B ON MAR 11	0B ON FEB 01	4 010	1983
1984	---	1.54 B ON MAR 21	0B ON FEB 01	499	1984
1985	12.1 AT 14:40 MST ON APR 02	7.53 ON APR 02	0B ON FEB 01	7 960	1985
1986	39.9 AT 16:05 MST ON SEP 25	17.4 ON SEP 26	0B ON FEB 06	11 300	1986
1987	19.6 AT 13:31 MST ON MAR 05	15.2 B ON MAR 05	0 ON MAY 21	7 760	1987
1988	1.08 AT 21:30 MST ON APR 03	0.874 ON APR 04	0B ON FEB 01	478	1988
1989	3.91 AT 12:10 MST ON MAR 28	2.48 ON MAR 28	0B ON FEB 01	1 570	1989
1990	---	7.82 B ON MAR 05	0B ON FEB 01	7 190	1990
				5 070	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 06AC901

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.570	0.321	0.032	0.038	0.012	0.001	---	---	---	---	1981
1982	---	---	---	0	0	0.001	0.006	0.058	0.139	0.070	---	---	0.039	1982
MEAN	---	---	---	0.285	0.161	0.017	0.022	0.035	0.070	0.070	---	---	0.039	MEAN

LOCATION - LAT 54 31 25 N LONG 110 19 41 W
DRAINAGE AREA, 595 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 06AC901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.921 AT 18:42 MST ON APR 24 *	0.832 ON APR 24 *	0 ON AUG 26 *	---	1981
1982	0.249 AT 09:02 MST ON SEP 14	0.231 ON SEP 25	0B ON APR 01	721	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		721	MEAN

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.491	0.213	0.081	0.137	0.063	0.033	0.025	0.192	1962
1963	0.018	0.016	0.014	0.026	0.170	0.590	0.468	0.136	0.072	0.047	0.032	0.023	0.246	1963
1964	0.018	0.015	0.014	0.025	0.166	0.953	0.319	0.072	0.088	0.087	0.039	0.025	0.278	1964
1965	0.020	0.016	0.014	0.031	0.114	0.669	0.450	0.196	0.148	0.204	0.091	0.043	0.296	1965
1966	0.028	0.022	0.022	0.033	0.292	0.570	0.299	0.103	0.057	0.049	0.031	0.024	0.227	1966
1967	0.018	0.016	0.014	0.015	0.170	0.805	0.311	0.089	0.039	0.032	0.024	0.018	0.239	1967
1968	0.016	0.014	0.014	0.017	0.148	0.534	0.271	0.134	0.104	0.086	0.040	0.030	0.212	1968
1969	0.022	0.018	0.016	0.058	0.354	0.594	0.474	0.090	0.048	0.038	0.028	0.019	0.266	1969
1970	0.014	0.014	0.012	0.012	0.138	0.617	0.195	0.061	0.040	0.031	0.022	0.017	0.179	1970
1971	0.014	0.013	0.012	0.026	0.295	0.821	0.226	0.073	0.039	0.032	0.023	0.015	0.246	1971
1972	0.014	0.013	0.015	0.021	0.234	0.872	0.336	0.126	0.078	0.058	0.034	0.023	0.282	1972
1973	0.018	0.017	0.015	0.020	0.223	0.642	0.267	0.083	0.085	0.047	0.034	0.026	0.223	1973
1974	0.019	0.015	0.014	0.037	0.142	0.914	0.307	0.128	0.086	0.063	0.036	0.025	0.271	1974
1975	0.019	0.015	0.014	0.015	0.097	0.453	0.279	0.142	0.082	0.049	0.033	0.025	0.183	1975
1976	0.019	0.017	0.015	0.035	0.373	0.437	0.272	0.207	0.161	0.077	0.039	0.028	0.254	1976
1977	0.020	0.017	0.015	0.035	0.177	0.254	0.092	0.144	0.123	0.073	0.038	0.027	0.143	1977
1978	0.020	0.017	0.015	0.027	0.173	0.661	0.285	0.105	0.080	0.071	0.041	0.028	0.227	1978
1979	0.019	0.017	0.016	0.020	0.174	0.394	0.142	0.055	0.038	0.027	0.018	0.015	0.138	1979
1980	0.012	0.011	0.010	0.052	0.343	0.537	0.118	0.099	0.130	0.101	0.041	0.029	0.220	1980
1981	0.023	0.018	0.017	0.034	0.488	0.650	0.419	0.193	0.062	0.037	0.026	0.015	0.307	1981
1982	0.009	0.011	0.012	0.018	0.119	0.605	0.214	0.068	0.055	0.050	0.027	0.021	0.184	1982
1983	0.015	0.013	0.012	0.024	0.193	0.344	0.244	0.075	0.041	0.030	0.021	0.014	0.154	1983
1984	0.015	0.012	0.011	0.020	0.092	0.439	0.164	0.057	0.047	0.062	0.029	0.019	0.142	1984
1985	0.015	0.011	0.011	0.023	0.236	0.306	0.103	0.158	0.239	0.105	0.052	0.033	0.190	1985
1986	0.023	0.017	0.017	0.026	0.284	0.529	0.212	0.127	0.072	0.133	0.070	0.038	0.225	1986
1987	0.025	0.021	0.020	0.045	0.290	0.541	0.145	0.171	0.091	0.049	---	---	0.161	1987
1988	---	---	---	---	0.280	0.574	0.125	0.122	0.101	0.117	---	---	0.186	1988
1989	---	---	---	---	0.247	0.428	0.177	0.148	0.221	0.091	---	---	0.217	1989
1990	---	---	---	---	0.432	0.960	0.386	0.166	0.065	0.049	---	---	0.341	1990
MEAN	0.018	0.015	0.014	0.028	0.228	0.575	0.259	0.118	0.091	0.068	0.036	0.024	0.222	MEAN

LOCATION - LAT 50 57 01 N
LONG 115 09 08 W
DRAINAGE AREA, 9.4 km²
NATURAL FLOW

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	0.631 ON JUN 17	0.620 ON JUN 18	---	3 060	1962
1963	1.75 AT 01:00 MST ON JUN 30	1.69 ON JUN 30	0.037 ON OCT 20	3 920	1963
1964	2.16 AT 07:30 MST ON JUN 08	1.95 ON JUN 08	0.048 ON MAY 05	4 420	1964
1965	1.76 AT 04:00 MST ON JUN 18	1.58 ON JUN 18	0.040 ON MAY 07	4 700	1965
1966	0.926 AT 20:00 MST ON MAY 31	0.861 ON JUN 01	0.031 ON MAY 01	3 620	1966
1967	1.08 AT 18:00 MST ON JUN 19	1.03 ON JUN 18	0.018 ON MAY 01	3 800	1967
1968	0.898 AT 20:30 MST ON JUN 02	0.759 ON JUN 03	0.034 ON MAY 08	3 370	1968
1969	1.08 AT 17:40 MST ON JUN 29	1.06 ON JUN 29	0.031 ON OCT 25	4 220	1969
1970	1.35 AT 17:10 MST ON JUN 16	1.28 ON JUN 16	0.016 ON MAY 01 *	2 850	1970
1971	2.39 AT 04:00 MST ON JUN 06	2.18 ON JUN 06	0.027 ON OCT 26	3 910	1971
1972	1.57 AT 17:00 MST ON JUN 10	1.45 ON JUN 10	0.034 ON MAY 09	4 480	1972
1973	1.05 AT 19:10 MST ON JUN 23	0.997 ON JUN 23	0.024 ON MAY 01	3 550	1973
1974	2.14 AT 17:10 MST ON JUN 17	1.95 ON JUN 17	0.048 ON OCT 31	4 310	1974
1975	0.748 AT 18:00 MST ON JUN 24	0.663 ON JUN 24	0.019 ON MAY 01	2 910	1975
1976	0.660 AT 16:00 MST ON MAY 27	0.614 ON MAY 28	0.054 ON OCT 30	4 040	1976
1977	0.544 AT 22:00 MST ON JUN 01	0.456 ON JUN 08	0.051 ON OCT 28	2 280	1977
1978	1.17 AT 18:15 MST ON JUN 05	1.02 ON JUN 06	0.048 ON OCT 28	3 620	1978
1979	0.771 AT 17:00 MST ON MAY 26	0.593 ON MAY 27	0.024 ON OCT 31	2 190	1979
1980	0.925 AT 10:35 MST ON JUN 11	0.882 ON JUN 11	0.058 ON OCT 31	3 500	1980
1981	1.51 AT 16:40 MST ON MAY 26	1.42 ON MAY 26	0.027 ON OCT 21	4 890	1981
1982	1.09 AT 20:23 MST ON JUN 16	1.03 ON JUN 16	0.027 ON MAY 09	2 920	1982
1983	0.796 AT 19:38 MST ON MAY 29	0.639 ON MAY 29	0.025 ON OCT 30	2 450	1983
1984	0.784 AT 20:59 MST ON JUN 15	0.730 ON JUN 16	0.020 ON MAY 01	2 260	1984
1985	0.557 AT 18:48 MST ON MAY 25	0.543 ON MAY 25	0.034 ON MAY 01	3 030	1985
1986	1.44 AT 16:10 MST ON MAY 28	1.27 ON MAY 29	0.027 ON MAY 01	3 580	1986
1987	0.489 AT 15:21 MST ON MAY 09	0.430 ON MAY 09	0.038 ON OCT 31	2 570	1987
1988	0.777 AT 00:24 MST ON JUN 08	0.732 ON JUN 08	0.063 ON OCT 29	2 960	1988
1989	0.648 AT 16:59 MST ON JUN 09	0.629 ON JUN 09	0.066 ON OCT 29	3 460	1989
1990	2.49 AT 21:05 MST ON JUN 01 *	2.21 ON JUN 02 *	0.040 ON OCT 20	5 420	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 530	MEAN

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.491	0.213	0.081	0.137	---	---	---	---	1962
MEAN	---	---	---	---	0.179	0.491	0.213	0.081	0.137	---	---	---	---	MEAN

LOCATION - LAT 50 56 50 N LONG 115 08 30 W
DRAINAGE AREA, 11.9 km²
NATURAL FLOW

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.620 ON JUN 18 *	---	---	1962
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	0.174	0.016	0.005	0.001	---	---	---	1915
1916	0	0	0	0.022	0.044	0.027	0.053	0.053	0.033	0.013	0.005	0	0.021	1916
1917	0	0	0	0.007	0.075	0.037	0.020	0.005	0.006	0.003	0.002	0	0.013	1917
1918	0	0	0.001	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0	0	0	0.015	0.060	0.032	0.082	0.025	0.015	0.006	0.004	0	0.017	MEAN

LOCATION - LAT 52 28 00 N LONG 116 04 20 W
DRAINAGE AREA, 3.03 km²
NATURAL FLOW

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5.69 ON JUN 26 *	---	---	1915
1916	---	0.142 ON MAY 27	0B ON JAN 01 *	658	1916
1917	---	0.198 ON MAY 20	0 ON JAN 01	411	1917
1918	---	---	0B ON JAN 01	---	1918
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		535	MEAN

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	3.46	2.71	3.27	2.17	---	1981
1982	1.34	1.10	1.30	11.6	29.3	17.4	16.6	18.1	10.3	7.86	5.24	4.80	10.5	1982
1983	4.90	4.61	5.06	8.59	9.83	8.19	19.8	15.7	9.83	7.28	5.58	4.07	8.66	1983
1984	2.51	2.67	4.84	11.4	23.4	29.6	11.9	7.03	4.86	4.28	4.20	3.25	9.15	1984
1985	2.23	2.22	2.47	11.1	37.2	21.7	11.0	6.98	5.98	5.24	3.47	1.78	9.33	1985
1986	2.27	2.12	5.81	9.20	18.0	20.0	---	---	16.8	12.6	9.21	8.24	---	1986
1987	7.91	7.75	7.71	21.4	21.5	15.4	10.2	7.35	6.80	3.19	3.16	2.43	9.55	1987
1988	2.45	1.72	2.35	6.21	8.61	10.8	28.3	30.1	29.6	17.7	12.0	8.20	13.2	1988
1989	9.04	6.89	7.03	10.2	12.7	13.6	10.9	5.58	6.44	5.50	4.61	5.13	8.13	1989
1990	5.15	3.36	6.47	12.8	21.5	12.8	10.3	5.73	3.72	3.15	2.41	1.46	7.44	1990
MEAN	4.20	3.60	4.78	11.4	20.2	16.6	14.9	12.1	9.78	6.95	5.32	4.15	9.50	MEAN

LOCATION - LAT 54 41 10 N LONG 110 01 35 W
DRAINAGE AREA, 5 350 km²
NATURAL FLOW

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	76.6B AT 07:00 MST ON APR 25 *	46.5B ON APR 26	1.09B ON FEB 13 *	331 000	1982
1983	34.9 AT 12:46 MST ON JUL 26	34.6 ON JUL 26	2.55B ON DEC 30	273 000	1983
1984	50.8 AT 15:17 MST ON JUN 01	49.7 ON JUN 01	2.30B ON DEC 31	289 000	1984
1985	53.0 AT 19:47 MST ON MAY 12	51.9 ON MAY 12	1.57B ON DEC 21	294 000	1985
1986	---	---	1.69B ON FEB 22	---	1986
1987	34.7B AT 12:47 MST ON APR 15	30.7 ON APR 16	1.94 ON OCT 22	301 000	1987
1988	62.5 AT 15:54 MST ON AUG 29	61.7 ON AUG 29 *	1.23B ON FEB 04	416 000	1988
1989	17.9 AT 19:52 MST ON MAY 25	16.8 ON MAY 25	3.80B ON NOV 15	256 000	1989
1990	25.0 AT 23:02 MST ON MAY 10	24.7 ON MAY 11	1.20B ON DEC 31	235 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		300 000	MEAN

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.002	0.011	0.012	---	---	---	1972
1973	---	---	0.024	0.051	0.008	0.020	0.161	0.034	0	0	---	---	0.037	1973
1974	---	---	0	2.03	0.255	0.097	0.214	0.016	0.009	0.009	---	---	0.325	1974
1975	---	---	0.003	0.325	0.155	0.025	0.004	0.010	0.007	0.005	---	---	0.066	1975
1976	---	---	0.003	0.111	0.008	0.002	0	0	0	0	---	---	0.015	1976
1977	---	---	0.002	0.027	0.056	0.029	0.006	0.004	0.006	0.004	---	---	0.017	1977
1978	---	---	0.061	0.105	0.025	0.011	0.005	0.021	0.054	0.034	---	---	0.039	1978
1979	---	---	0.185	0.171	0.039	0.011	0.010	0.012	0.007	0.004	---	---	0.055	1979
1980	---	---	0.012	0.257	0.019	0.027	0.022	0.145	0.190	0.070	---	---	0.092	1980
1981	---	---	0.391	0.082	0.032	0.011	0.096	0.115	0.011	0.012	---	---	0.095	1981
1982	---	---	0	1.14	0.126	0.191	0.158	0.004	0.007	0.011	---	---	0.201	1982
1983	---	---	0.113	0.570	0.054	0.030	0.178	0.031	0.003	0.008	---	---	0.122	1983
1984	---	---	0.027	0.037	0.010	0.013	0	0	0.019	0.015	---	---	0.015	1984
1985	---	---	0.245	0.686	0.041	0.014	0.006	0.006	0.006	0.007	---	---	0.125	1985
1986	---	---	0.147	0.032	0.070	0.017	0.052	0.031	0.007	0.010	---	---	0.046	1986
1987	---	---	0.024	0.193	0.034	0.014	0.007	0.008	0.003	0.004	---	---	0.035	1987
1988	---	---	0.004	0.023	0.014	0.015	0.016	0.010	0.010	0.008	---	---	0.012	1988
1989	---	---	0.015	0.181	0.030	0.014	0.006	0.011	0.018	0.005	---	---	0.035	1989
1990	---	---	0.203	0.273	0.017	0.059	0.309	0.004	0.003	0.008	---	---	0.109	1990
MEAN	---	---	0.081	0.350	0.055	0.033	0.069	0.024	0.020	0.012	---	---	0.080	MEAN

LOCATION - LAT 52 47 05 N DRAINAGE AREA, 79.5 km²
LONG 113 37 46 W NATURAL FLOW

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05FA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 ON JUL 12 *	---	1972
1973	---	2.66 ON JUL 01	0 B ON MAR 01	791	1973
1974	---	8.10 ON APR 20 *	0 B ON MAR 01	6 870	1974
1975	---	1.61 B ON APR 20	0.002 ON JUL 24	1 400	1975
1976	---	0.507B ON APR 07	0 ON JUN 27	325	1976
1977	---	0.130 ON MAY 16	0.001B ON MAR 01	354	1977
1978	---	0.297B ON MAR 29	0 B ON MAR 01	830	1978
1979	1.28 B AT 21:45 MST ON APR 18	0.924B ON MAR 18	0 B ON MAR 01	1 160	1979
1980	1.06 AT 10:45 MST ON AUG 28	0.788 ON AUG 28	0 B ON MAR 01	1 940	1980
1981	---	1.38 B ON MAR 15	0 ON SEP 12	2 000	1981
1982	5.45 AT 19:50 MST ON APR 21 *	5.28 ON APR 22	0 B ON MAR 01	4 260	1982
1983	1.99 B AT 08:40 MST ON APR 02	1.47 B ON APR 02	0 ON AUG 29	2 590	1983
1984	---	0.113B ON MAR 30	0 B ON MAR 01	316	1984
1985	2.73 AT 01:45 MST ON APR 04	2.64 ON APR 04	0 ON JUL 11	2 650	1985
1986	0.511B AT 21:35 MST ON FEB 26	0.291B ON MAR 21	0 ON JUN 22	975	1986
1987	---	0.512 ON APR 12	0.001E ON JUL 26	750	1987
1988	---	0.225 ON JUN 09	0 ON MAR 01	263	1988
1989	---	0.479 ON APR 12	0 B ON MAR 01	734	1989
1990	---	1.93 B ON MAR 31	0 B ON MAR 01	2 320	1990
				1 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. 05FA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.006	0.010	---	---	---	1972
1973	---	---	0.037	0.088	---	---	---	---	---	---	---	---	---	1973
MEAN	---	---	0.037	0.088	---	---	---	---	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 52 48 50 N DRAINAGE AREA, 109 km²
LONG 113 37 00 W NATURAL FLOW

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. 05FA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	0B ON MAR 01 *	---	1973
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	1.21	2.42	4.81	10.0	3.30	3.47	---	---	---	1954
1955	---	---	---	---	2.21	2.87	4.63	5.08	1.15	1.73	---	---	---	1955
1956	---	---	---	---	0.555	5.06	5.73	4.30	4.62	4.76	---	---	---	1956
1957	---	---	---	---	0.770	6.70	6.28	4.18	1.97	3.72	---	---	---	1957
1958	---	---	---	---	1.29	7.12	6.18	5.06	1.68	1.72	---	---	---	1958
1959	---	---	---	---	1.05	3.35	5.76	5.87	1.86	2.69	---	---	---	1959
1960	---	---	---	---	0.504	6.19	7.62	5.84	2.35	3.01	---	---	---	1960
1961	---	---	---	---	0.805	5.88	8.00	5.96	3.06	3.02	---	---	---	1961
1962	---	---	---	---	2.26	6.72	8.22	6.04	1.89	2.95	---	---	---	1962
1963	---	---	---	---	1.98	7.88	4.30	5.59	1.90	2.71	---	---	---	1963
1964	---	---	---	---	1.50	7.40	5.38	5.62	1.96	2.52	---	---	---	1964
1965	---	---	---	---	0.716	7.08	4.22	6.23	2.21	3.17	---	---	---	1965
1966	---	---	---	---	0.882	6.42	6.14	5.72	2.64	4.18	---	---	---	1966
1967	---	---	---	---	2.47	4.06	6.47	6.29	4.69	4.17	---	---	---	1967
1968	---	---	---	---	3.00	6.37	8.20	5.75	3.89	4.20	---	---	---	1968
1969	---	---	---	---	2.04	8.01	6.32	5.79	2.94	2.79	---	---	---	1969
1970	---	---	0.397	0.855	1.06	5.44	4.09	6.27	3.36	2.63	---	---	3.01	1970
1971	---	---	0.563	0.72	1.28	6.10	7.33	7.10	3.79	2.31	---	---	4.63	1971
1972	---	---	1.36	0.572	2.50	7.81	8.97	6.88	4.09	2.76	---	---	4.37	1972
1973	---	---	0.916	0.717	1.80	5.92	6.56	6.77	4.27	2.95	---	---	3.74	1973
1974	---	---	0	3.32	1.17	6.31	7.76	7.14	5.14	3.74	---	---	4.31	1974
1975	---	---	0	1.34	1.81	2.91	5.57	6.28	3.59	2.76	---	---	3.04	1975
1976	---	---	1.61	1.27	2.73	8.66	7.47	5.16	2.07	2.61	---	---	3.95	1976
1977	---	---	0.133	0.513	2.48	4.69	6.96	4.10	1.84	1.55	---	---	2.79	1977
1978	---	---	0.569	1.44	0.562	2.14	6.05	5.71	2.12	2.54	---	---	2.65	1978
1979	---	---	0.742	0.443	0.482	5.37	7.67	6.71	3.70	2.60	---	---	3.47	1979
1980	---	---	0.238	2.15	3.22	5.47	8.62	5.00	3.09	2.32	---	---	3.77	1980
1981	---	---	0.607	0.313	0.795	7.76	7.96	5.54	3.43	2.92	---	---	3.66	1981
1982	---	---	0.340	0.650	1.58	6.38	7.13	7.02	3.76	3.32	---	---	3.77	1982
1983	---	---	0.856	0.569	2.07	7.55	7.08	6.39	3.18	2.93	0.348	---	3.83	1983
1984	---	---	0.400	0.358	1.78	6.80	8.45	4.96	2.78	2.05	0.142	---	3.45	1984
1985	---	---	1.24	0.920	1.12	8.25	7.30	6.74	2.88	1.17	---	---	3.70	1985
1986	---	---	0.374	0.174	0.621	7.06	7.80	4.57	3.50	1.11	0.317	---	3.15	1986
1987	---	---	0.485	0.368	2.29	6.45	7.60	4.18	1.65	1.29	0.227	---	3.04	1987
1988	---	---	0.276	0.307	3.07	4.47	5.92	4.39	2.80	1.85	---	---	2.89	1988
MEAN	---	---	0.585	1.32	1.59	6.00	6.70	5.84	2.95	2.78	0.259	---	3.54	MEAN

LOCATION - LAT 50 50 30 N LONG 111 55 46 W DRAINAGE AREA, 2 450 km² REGULATED

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1954	---	39.9 ON AUG 07 *	---	---	1954
1955	---	14.7 ON MAY 17	0 ON SEP 07 *	---	1955
1956	---	14.4 ON AUG 03	---	---	1956
1957	---	10.3 ON JUL 22	---	---	1957
1958	---	12.3 ON JUL 01	---	---	1958
1959	---	7.99 ON AUG 02	---	---	1959
1960	---	12.3 ON JUL 03	---	---	1960
1961	---	10.1 ON JUL 18	---	---	1961
1962	---	11.0 ON JUL 15	---	---	1962
1963	---	19.5 ON JUN 23	---	---	1963
1964	---	32.0 ON JUN 17	---	---	1964
1965	---	13.2 ON JUN 18	---	---	1965
1966	---	10.6 ON JUN 25	---	---	1966
1967	---	---	---	---	1967
1968	---	17.0 ON SEP 23	---	---	1968
1969	---	20.5 ON JUN 30	---	---	1969
1970	19.1 AT 13:30 MST ON JUN 14	17.3 ON JUN 14	0 B ON MAR 01	63 700	1970
1971	---	31.1 B ON APR 08	0 B ON MAR 01	98 000	1971
1972	---	11.0 ON JUL 25	0 B ON MAR 01	92 500	1972
1973	18.7 AT 17:00 MST ON JUN 16	17.2 ON JUN 16	0 B ON MAR 01	79 200	1973
1974	12.1 B AT 10:50 MST ON APR 08	9.43 ON JUN 27	0 B ON MAR 01	91 300	1974
1975	---	9.26A ON AUG 04	0 B ON MAR 01	64 300	1975
1976	10.4 AT 07:30 MST ON JUN 26	10.3 ON JUN 26	0 B ON MAR 01	83 500	1976
1977	9.12 AT 00:30 MST ON JUL 12	8.55 ON JUL 12	0.014B ON MAR 01	59 000	1977
1978	12.2 AT 19:50 MST ON AUG 24	11.9 ON AUG 24	0 B ON MAR 01	56 100	1978
1979	12.7 AT 07:30 MST ON AUG 04	12.4 ON AUG 04	0 B ON MAR 01	73 400	1979
1980	11.8 AT 15:00 MST ON MAY 26	11.4 ON MAY 26	0 B ON MAR 01	79 800	1980
1981	12.7 AT 02:40 MST ON JUN 15	12.5 ON JUN 15	0.131 ON MAY 05	77 600	1981
1982	14.0 AT 09:02 MST ON JUL 03	13.6 ON JUL 03	0 B ON MAR 01	79 900	1982
1983	12.3 AT 18:41 MST ON JUL 03	12.0 ON JUL 04	0.112B ON MAR 07	81 100	1983
1984	17.3 AT 19:38 MST ON JUL 31	15.7 ON JUL 31	0.038B ON MAR 16	73 000	1984
1985	---	10.5 ON JUN 05	0 B ON MAR 01	78 300	1985
1986	---	11.1 ON SEP 27	0.101 ON MAY 04	66 600	1986
1987	11.5 AT 02:35 MST ON JUL 20	11.0 ON JUL 20	0.050B ON MAR 04	64 400	1987
1988	21.2 AT 21:33 MST ON JUN 09 *	14.9 ON JUN 09	0.020B ON MAR 01	61 200	1988
				74 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MATZHIWIN CREEK BELOW WARE COULEE - STATION NO. 05CJ012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1989	---	---	---	---	2.60	5.39	6.19	4.24	1.74	1.15	---	---	3.55	1989
1990	---	---	---	---	2.65	3.87	7.70	4.96	3.12	1.94	---	---	4.05	1990
MEAN	---	---	---	---	2.63	4.63	6.95	4.60	2.43	1.55	---	---	3.80	MEAN

LOCATION - LAT 50 49 14 N LONG 111 49 40 W DRAINAGE AREA, 2 450 km² REGULATED

MATZHIWIN CREEK BELOW WARE COULEE - STATION NO. 05CJ012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1989	8.50 AT 23:02 MST ON JUL 11 *	8.00 ON JUL 12	---	56 400	1989
1990	---	9.03 ON JUL 23 *	0.091 ON MAY 07 *	64 300	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		60 400	MEAN

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	7.37	6.73	8.40	1.41	4.53	---	---	---	1951
1952	---	---	---	---	---	11.3	9.08	6.72	4.17	---	---	---	---	1952
MEAN	---	---	---	---	---	9.34	7.91	7.56	2.79	4.53	---	---	---	MEAN

LOCATION - LAT 50 49 10 N LONG 111 49 40 W DRAINAGE AREA, 2 620 km² NATURAL FLOW

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	---	0 ON SEP 11 *	---	1951
1952	---	---	---	---	1952
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.002	0.044	0.020	---	---	---	---	0.004	0.004	---	---	---	1925
1926	---	0.003	0.020	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.003	0.020	0.096	0.001	0.036	0.016	0.002	0	---	---	---	1927
1928	---	---	0.003	---	---	---	---	---	---	---	---	---	---	1928
1930	---	0.049	0	0	0	---	---	---	---	---	---	---	---	1930
MEAN	---	0.018	0.014	0.013	0.048	0.001	0.036	0.016	0.003	0.002	---	---	---	MEAN

LOCATION - LAT 49 04 10 N LONG 110 26 30 W DRAINAGE AREA, 20.5 km² NATURAL FLOW

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	0.314 ON APR 23	0B ON FEB 01 *	---	1925
1926	---	---	0B ON FEB 01	---	1926
1927	---	0.991E ON MAY 23 *	0B ON MAR 01	---	1927
1928	---	---	0B ON MAR 01	---	1928
1930	---	0.303B ON FEB 18	0B ON FEB 01	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0.001	0.006	0.001	0	0	0	0	0	---	---	---	1977
1978	---	---	0.030	0.010	0.003	0.003	0	0	0	0	---	---	---	1978
1979	---	---	0.100	0.098	0.048	0	0.006	0	0.001	0.001	---	---	---	1979
									0	0	---	---	---	
1980	---	---	0.002	0	0	0	0	0	0	0	---	---	---	1980
1981	---	0.001	0	0	0	0.005	0	0	0	0	---	---	---	1981
1982	---	0.002	0.029	0.077	0.034	0.269	0.010	0	0	0	---	---	0.001	1982
1983	---	0.002	0.005	0.007	0.070	0.006	0.005	0	0	0	---	---	0.047	1983
1984	---	0	0.005	0.006	0	0	0	0	0	0	---	---	0.011	1984
											---	---	0.001	
1985	---	0	0.012	0.078	0.062	0.002	0	0	0	0	---	---	0.017	1985
1986	---	0.018	0.008	0	0.032	0.007	0	0	0.058	0.010	---	---	0.015	1986
1987	---	0.016	0.033	0.066	0.002	0	0	0	0	0	---	---	0.013	1987
1988	---	0.002	0.003	0.003	0	0	0	0	0	0	---	---	0.001	1988
1989	---	0	0.004	0.004	0.001	0.001	0	0	0	0	---	---	0.001	1989
1990	---	0.001	0.001	0	0.001	0	0	0	0	0	---	---	0	1990
MEAN	---	0.004	0.017	0.025	0.018	0.020	0.001	0	0.004	0.001	---	---	0.011	MEAN

LOCATION - LAT 49 47 40 N DRAINAGE AREA, 20.5 km²
LONG 110 11 03 W REGULATED

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---			
1977	0.076 AT 19:30 MST ON APR 05	0.037 ON APR 05	0E ON JUN 01 *	---	1976
1978	---	0.093B ON MAR 18	0B ON FEB 24	---	1977
1979	---	0.361B ON MAR 06	0B ON MAR 01	---	1978
			0B ON FEB 27	---	1979
1980	---	0.014B ON MAR 16	0B ON MAR 01	---	1980
1981	0.198 AT 11:10 MST ON JUN 14	0.132 ON JUN 14	0E ON FEB 01	16.0	1981
1982	2.11 AT 21:09 MST ON JUN 03 *	1.44 ON JUN 03 *	0B ON FEB 01	1 100	1982
1983	0.341 AT 21:04 MST ON MAY 16	0.210 ON MAY 18	0B ON FEB 01	254	1983
1984	---	0.013B ON MAR 19	0B ON FEB 01	29.3	1984
1985	0.788 AT 19:20 MST ON MAY 13	0.294 ON MAY 14	0B ON FEB 01	406	1985
1986	2.01 AT 07:57 MST ON SEP 25	1.23 ON SEP 25	0B ON FEB 01	348	1986
1987	0.579 AT 21:43 MST ON APR 03	0.327 ON APR 03	0 ON MAY 11	304	1987
1988	0.058 AT 08:50 MST ON MAR 21	0.035 ON MAR 21	0 ON FEB 01	22.2	1988
1989	0.052 AT 12:50 MST ON JUN 11	0.020B ON MAR 28	0 ON FEB 01	25.4	1989
1990	0.012 AT 16:55 MST ON MAY 03	0.008 ON MAY 03	0B ON FEB 01	7.26	1990
				251	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	0.150	0.034	0	0	---	---	---	---	---	---	1913
1914	---	---	0.058	0.082	0.001	0	0	0	0	0.089	---	---	---	1914
MEAN	---	---	0.058	0.116	0.018	0	0	0	0	0.089	---	---	---	MEAN

LOCATION - LAT 49 51 30 N DRAINAGE AREA, 124 km²
LONG 110 03 40 W NATURAL FLOW

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---				
1914	---	0.447 ON APR 06	0 ON APR 28 *	---	1913
		0.963 ON OCT 08 *	0 ON MAR 01	---	1914
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	0.231	0.307	---	---	---	1913
1914	---	---	---	---	1.42	0.917	0.387	0.191	0.168	0.439	---	---	0.588	1914
1915	---	---	---	---	1.31	---	---	---	---	---	---	---	---	1915
1975	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1975
1976	---	---	---	---	1.48	0.720	0.310	0.953	0.230	0.102	---	---	0.634	1976
1977	---	---	---	---	0.394	0.270	0.082	0.092	0.107	0.068	---	---	0.168	1977
1978	---	---	---	---	1.07	1.12	0.553	0.220	0.110	0.098	---	---	0.528	1978
1979	---	---	---	---	1.02	0.985	0.159	0.097	0.057	0.052	---	---	0.394	1979
1980	---	---	---	---	0.970	0.550	0.174	0.087	0.082	0.064	---	---	0.321	1980
1981	---	---	---	---	1.86	1.25	0.352	0.143	0.084	0.081	---	---	0.628	1981
1982	---	---	---	---	---	---	---	0.069	0.059	0.074	---	---	---	1982
1983	---	---	---	---	0.631	0.645	0.235	0.108	0.072	0.081	---	---	0.295	1983
1984	---	---	---	---	0.373	0.716	0.173	0.077	0.061	0.068	---	---	0.243	1984
1985	---	---	---	---	0.768	0.533	0.132	0.105	0.179	0.201	---	---	0.319	1985
1986	---	---	---	---	2.49	1.21	0.230	0.091	0.104	0.152	---	---	0.714	1986
MEAN	---	---	---	---	1.15	0.811	0.253	0.186	0.119	0.136	---	---	0.439	MEAN

LOCATION - LAT 49 38 04 N LONG 114 31 12 W
DRAINAGE AREA, 32.6 km²
NATURAL FLOW

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	1.95 ON MAY 03	0.091 ON SEP 10	9 340	1914
1915	---	---	---	---	1915
1975	---	---	---	---	1975
1976	4.79 AT 14:40 MST ON AUG 08	2.81 ON AUG 08	0.062 ON OCT 15	10 100	1976
1977	0.750 AT 02:30 MST ON MAY 11	0.711 ON MAY 11	0.023 ON AUG 11 *	2 680	1977
1978	4.11 AT 01:00 MST ON JUN 06	2.86 ON JUN 06	0.068A ON OCT 31	8 400	1978
1979	3.58 AT 22:10 MST ON MAY 26	2.93 ON MAY 26	0.041 ON SEP 25	6 260	1979
1980	1.87 AT 03:30 MST ON MAY 27	1.66 ON MAY 27	0.033 ON SEP 11	5 100	1980
1981	8.89 AT 06:00 MST ON MAY 26 *	6.03 ON MAY 26	0.049 ON SEP 19	9 990	1981
1982	---	---	---	---	1982
1983	1.70 AT 03:48 MST ON MAY 30	1.52 ON MAY 29	0.059 ON OCT 31	4 680	1983
1984	---	1.09 E ON MAY 31	0.034B ON OCT 28	3 870	1984
1985	1.68 AT 17:30 MST ON MAY 19	1.58 ON MAY 20	0.075 ON AUG 01	5 070	1985
1986	8.21 AT 23:45 MST ON MAY 27	6.73 ON MAY 27 *	0.070 ON AUG 29	11 300	1986
				6 980	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	0	9.15	28.3	27.4	25.5	25.7	28.2	3.34	---	18.5	1976
1977	---	---	---	10.4	20.6	30.8	15.4	19.5	23.8	28.7	8.66	---	19.7	1977
1978	---	---	---	2.03	20.0	7.33	28.1	22.7	9.54	0.034	0	---	11.8	1978
1979	---	---	---	0	10.8	28.4	29.2	25.1	19.7	4.32	0	---	14.7	1979
1980	---	---	---	0	25.2	32.6	28.2	26.6	24.7	5.27	0	---	17.9	1980
1981	---	---	---	0.232	26.6	26.0	26.1	32.4	29.4	19.8	0.010	---	20.5	1981
1982	---	---	---	0	14.8	29.8	28.8	27.5	27.3	9.57	0	---	17.3	1982
1983	---	---	---	0	18.9	26.8	33.8	28.6	23.0	23.0	1.36	---	19.5	1983
1984	---	---	---	4.01	21.9	32.9	27.4	28.0	28.7	21.5	---	---	---	1984
1985	---	---	---	0	28.6	33.0	29.7	25.0	31.0	14.9	0	---	20.3	1985
1986	---	---	---	1.97	29.2	34.5	33.7	31.2	14.7	0.221	---	---	---	1986
1987	---	---	---	0.605	28.0	32.1	31.5	29.0	15.3	6.64	0	---	18.0	1987
1988	---	---	---	19.8	26.2	34.2	30.9	30.3	32.2	23.6	0	---	24.7	1988
1989	---	---	---	8.43	27.1	31.2	31.0	30.8	22.0	3.02	0	---	19.2	1989
1990	---	---	---	12.1	24.7	22.7	33.3	32.8	33.5	7.67	0	---	20.9	1990
MEAN	---	---	---	3.97	22.1	28.7	29.1	27.9	24.0	13.1	1.03	---	18.7	MEAN

LOCATION - LAT 50 35 20 N LONG 112 55 25 W
REGULATED SINCE 1976

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	30.6 ON OCT 14	0 ON APR 01 *	390 000	1976
1977	---	34.3 ON NOV 05	0 ON APR 01	416 000	1977
1978	---	30.6 ON JUL 10	0 ON APR 01	250 000	1978
1979	---	31.9 ON JUN 15	0 ON APR 01	311 000	1979
1980	---	36.1 ON MAY 22	0 ON APR 01	377 000	1980
1981	---	36.0 ON JUL 08	0 ON APR 01	431 000	1981
1982	---	33.0 ON MAY 28	0E ON APR 01	364 000	1982
1983	---	35.5 ON JUL 04	0 ON APR 01	412 000	1983
1984	---	36.6 ON JUN 09 *	0 ON APR 01	---	1984
1985	---	35.1 ON MAY 29	0 ON APR 01	429 000	1985
1986	---	35.5 ON JUN 04	0 ON APR 01	---	1986
1987	---	34.7 ON JUN 01	0 ON APR 01	379 000	1987
1988	---	35.1 ON JUN 30	0 ON APR 01	520 000	1988
1989	---	33.2 ON MAY 04	0 ON APR 01	406 000	1989
1990	---	35.3 ON APR 28	0 ON APR 01	441 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		394 000	MEAN

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	5.52	23.1	36.7	26.3	21.9	11.9	10.5	---	---	19.4	1976
1977	---	---	---	18.9	19.4	36.0	38.4	33.4	13.1	0.544	---	---	22.8	1977
1978	---	---	---	2.46	1.64	8.92	37.2	23.1	4.22	0	---	---	11.2	1978
1979	---	---	---	0	8.35	32.1	47.4	18.7	4.16	9.43	---	---	17.2	1979
1980	---	---	---	7.04	26.7	25.8	47.9	20.2	12.1	0	---	---	20.0	1980
1981	---	---	---	10.6	17.1	30.5	44.7	23.4	26.0	5.49	---	---	22.5	1981
1982	---	---	---	3.39	18.7	27.9	40.3	30.4	15.4	4.12	---	---	20.1	1982
1983	---	---	---	0	19.5	46.1	40.3	27.8	15.5	0	---	---	21.3	1983
1984	---	---	---	8.98	21.5	43.5	50.5	29.4	4.08	0	---	---	22.6	1984
1985	---	---	---	5.05	24.5	47.4	50.9	27.3	1.98	3.70	---	---	23.0	1985
1986	---	---	---	11.8	19.0	45.0	44.5	19.0	5.00	0.253	---	---	20.6	1986
1987	---	---	---	4.42	40.0	43.1	25.8	7.07	12.4	2.08	---	---	19.2	1987
1988	---	---	---	23.8	46.5	29.3	41.1	26.2	10.3	3.01	---	---	25.8	1988
1989	---	---	---	17.8	16.6	33.3	47.5	27.6	0.003	0	---	---	20.5	1989
1990	---	---	---	18.6	14.3	30.1	48.0	23.9	24.8	6.04	---	---	23.7	1990
MEAN	---	---	---	9.22	21.1	34.4	42.0	24.0	10.7	3.01	---	---	20.7	MEAN

LOCATION - LAT 50 15 15 N
LONG 112 49 00 W REGULATED

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	38.5 ON JUN 15	0E ON APR 01 *	359 000	1976
1977	---	46.4 ON APR 28	0 ON APR 01	422 000	1977
1978	---	38.2 ON JUL 18	0E ON APR 01	206 000	1978
1979	---	51.1 ON JUL 21	0 ON APR 01	319 000	1979
1980	---	49.7 ON JUN 26	0E ON APR 01	370 000	1980
1981	---	47.9 ON JUL 10	0 ON APR 01	417 000	1981
1982	---	46.9 ON JUN 27	0 ON APR 01	372 000	1982
1983	---	53.6 ON JUN 22	0 ON APR 01	394 000	1983
1984	---	54.1 ON JUL 13 *	0 ON APR 01	418 000	1984
1985	---	51.5 ON JUN 26	0 ON APR 01	426 000	1985
1986	---	48.3 ON JUN 18	0 ON APR 01	382 000	1986
1987	---	51.0 ON MAY 15	0 ON APR 01	356 000	1987
1988	---	52.1 ON MAY 24	0 ON APR 01	477 000	1988
1989	---	50.5 ON JUL 04	0 ON APR 01	378 000	1989
1990	---	51.4 ON JUN 29	0 ON APR 01	438 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		382 000	MEAN

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.004	0.002	0.002	0.008	0.007	0.004	---	1968
1969	0.003	0.002	0.001	0.011	0.014	0.010	0.015	0.006	0.003	0.001	0.001	0.001	0.006	1969
1970	0	0	0	0	0.003	0.006	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1970
1971	0.001	0.001	0.001	0.002	0.003	0.006	0.004	0.001	0.001	0.001	0.001	0.001	0.002	1971
1972	0.001	0	0.001	0.003	0.012	0.014	0.005	0.002	0.002	0.001	0.001	0.001	0.004	1972
1973	0.001	0.001	0.001	0.002	0.010	0.012	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1973
1974	0.001	0.001	0.001	0.001	0.011	0.014	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1974
1975	0.001	0.001	0	0	0.009	0.013	0.009	0.003	0.001	0	0	0	0.003	1975
1976	---	0.001	0.001	0.002	---	0.005	0.003	0.005	0.005	0.002	0.001	0.001	---	1976
1977	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	---	---	---	1977
MEAN	0.001	0.001	0.001	0.002	0.008	0.009	0.006	0.003	0.002	0.002	0.002	0.001	0.003	MEAN

LOCATION - LAT 50 06 33 N
LONG 114 02 12 W NATURAL FLOW

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.021 ON JUL 02	0.001 ON FEB 20	180	1969
1970	---	0.008 ON JUN 23	0 ON JAN 08 *	56.2	1970
1971	0.009 AT 01:00 MST ON JUN 18	0.009 ON JUN 18	0 E ON JAN 01	61.2	1971
1972	0.023 AT 00:30 MST ON MAY 30 *	0.023 ON MAY 29 *	0 E ON JAN 31	113	1972
1973	0.016 AT 23:00 MST ON MAY 31	0.016 ON MAY 31	0.001E ON JAN 01	98.2	1973
1974	0.020 AT 08:10 MST ON MAY 24	0.020 ON MAY 23	0.001E ON JAN 01	110	1974
1975	0.016 AT 20:00 MST ON MAY 26	0.016 ON MAY 26	0 E ON MAR 11	102	1975
1976	0.007 AT 13:30 MST ON AUG 25	0.007 ON AUG 22	0 ON FEB 16	---	1976
1977	---	0.001 ON JAN 01	0 ON JAN 27	---	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		103	MEAN

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	13.5	4.50	---	1954
1955	2.58	2.72	3.28	13.8	46.4	91.0	39.9	14.3	8.40	9.19	4.20	2.87	19.9	1955
1956	2.74	2.16	2.30	11.0	33.4	33.9	17.8	15.5	14.6	8.80	9.11	4.20	13.0	1956
1957	2.44	2.49	3.79	17.0	55.8	30.8	26.2	33.9	26.2	19.2	13.9	7.39	20.0	1957
1958	5.88	4.04	3.04	23.3	52.5	59.0	53.2	8.43	8.90	5.65	3.28	1.63	19.1	1958
1959	2.69	2.30	2.65	13.1	36.8	88.3	29.6	11.3	19.2	21.6	13.1	5.92	20.5	1959
1960	4.02	2.85	3.56	8.38	38.8	81.2	43.7	14.8	8.77	7.73	4.99	3.24	18.5	1960
1961	2.30	1.50	2.88	7.21	23.9	22.3	27.3	21.8	8.99	17.1	12.1	6.05	12.9	1961
1962	4.81	2.87	4.02	30.5	56.0	43.0	43.2	25.9	23.6	12.6	10.4	3.81	21.6	1962
1963	5.25	2.43	2.91	20.5	43.4	33.5	22.7	8.21	9.30	6.66	3.81	2.33	13.2	1963
1964	2.20	2.45	2.34	5.40	54.0	92.2	23.8	16.2	59.3	31.6	11.1	5.37	25.4	1964
1965	2.26	2.62	3.15	18.5	64.0	106	97.8	23.7	66.1	25.7	10.8	7.61	35.8	1965
1966	2.90	1.67	4.13	9.94	65.6	35.7	56.9	58.0	25.9	15.9	10.7	5.84	24.8	1966
1967	3.07	2.33	3.45	7.90	45.7	85.4	20.7	10.9	4.98	4.73	3.09	2.10	16.2	1967
1968	1.45	1.13	11.7	16.2	36.4	36.2	39.2	36.8	15.5	9.61	4.83	2.95	17.7	1968
1969	2.34	1.45	3.45	22.3	29.5	25.5	67.0	105	20.4	16.3	12.4	3.54	26.0	1969
1970	1.93	2.73	3.16	7.62	40.5	44.3	13.6	8.17	5.72	4.10	2.32	1.92	11.4	1970
1971	1.60	1.68	1.87	22.6	42.0	102	76.1	14.9	11.4	12.5	6.15	3.27	24.7	1971
1972	2.47	2.23	2.37	7.73	62.5	84.7	43.2	16.3	22.9	37.4	11.0	5.80	24.9	1972
1973	4.46	3.42	3.43	14.9	84.0	46.9	21.8	13.2	8.87	10.4	5.41	4.21	18.5	1973
1974	2.71	2.96	3.18	24.3	75.1	52.4	30.4	17.1	18.7	11.6	6.26	3.92	20.8	1974
1975	2.00	1.53	1.46	4.32	29.7	30.0	24.3	8.09	6.99	4.84	2.76	2.49	9.93	1975
1976	1.91	1.98	1.87	14.9	32.2	29.5	18.7	45.7	17.2	9.64	5.03	4.05	15.3	1976
1977	2.15	2.48	1.93	8.18	86.5	61.0	46.3	43.8	48.8	26.1	5.98	4.48	28.3	1977
1978	3.91	2.63	2.70	19.4	52.4	71.2	49.3	21.8	42.8	19.2	8.13	4.54	24.8	1978
1979	1.78	1.92	4.19	9.69	40.7	40.1	24.6	14.0	7.42	6.62	3.54	2.81	13.2	1979
1980	1.80	2.08	2.04	21.2	31.8	203	60.2	28.0	34.6	17.6	12.8	6.69	35.0	1980
1981	3.57	2.64	3.55	8.92	35.6	33.1	37.5	30.4	14.3	10.4	7.51	2.16	15.9	1981
1982	1.32	1.26	1.52	4.83	45.3	46.2	111	36.2	29.9	39.9	12.5	5.11	28.2	1982
1983	3.61	2.74	3.50	14.3	28.1	34.9	36.5	9.64	6.12	6.08	6.63	2.49	12.9	1983
1984	2.39	2.17	2.83	14.8	29.0	43.0	13.7	6.37	28.7	30.7	7.24	4.05	15.4	1984
1985	3.76	1.76	3.23	11.0	24.0	36.0	18.8	36.8	44.0	21.1	11.4	5.07	18.1	1985
1986	4.51	2.68	4.14	10.3	41.9	30.9	107	25.3	23.9	40.1	9.87	5.72	25.7	1986
1987	3.06	3.41	2.98	7.27	14.9	12.8	16.6	80.3	17.2	8.29	5.39	4.66	14.7	1987
1988	1.70	2.59	3.55	12.8	13.9	30.2	11.7	15.2	9.32	9.57	4.38	2.63	9.78	1988
1989	2.24	2.12	1.94	11.4	36.2	37.7	49.1	74.7	44.9	18.9	10.5	5.69	24.8	1989
1990	3.85	2.97	3.55	20.3	62.0	107	59.0	17.1	15.7	9.46	4.59	4.74	25.9	1990
MEAN	2.72	2.42	3.21	13.8	44.2	56.7	41.1	26.9	21.6	15.7	7.86	4.16	20.1	MEAN

LOCATION - LAT 53 28 12 N DRAINAGE AREA, 2 560 km^2
LONG 116 37 45 W NATURAL FLOW

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	250 AT 16:30 MST ON JUN 01	247 ON JUN 01	1.44 B ON JAN 02	628 000	1955
1956	---	88.6 ON JUN 06	1.61 B ON MAR 16	410 000	1956
1957	133 AT 16:00 MST ON MAY 01	131 ON MAY 02	1.64 B ON JAN 28	632 000	1957
1958	416 AT 11:30 MST ON JUN 29	371 ON JUN 29	1.10 B ON DEC 07	604 000	1958
1959	289 AT 14:30 MST ON JUN 27	267 ON JUN 27	1.02 B ON FEB 24	648 000	1959
1960	326 AT 16:00 MST ON JUN 26	264 ON JUN 26	2.21 B ON FEB 01	585 000	1960
1961	124 AT 20:00 MST ON JUL 30	118 ON JUL 30	1.16 B ON FEB 19	406 000	1961
1962	---	114 ON MAY 20	1.22 B ON MAR 03	683 000	1962
1963	---	77.3 ON APR 30	1.72 B ON JAN 15	417 000	1963
1964	---	214 ON JUN 19	1.66 B ON JAN 15	805 000	1964
1965	---	413 ON JUN 01	1.66 B ON JAN 11	1 130 000	1965
1966	---	250 ON MAY 11	2.78 B ON JAN 12	783 000	1966
1967	---	170 ON JUN 10	1.42 B ON JAN 26	511 000	1967
1968	---	80.1 ON JUL 23	0.481B ON JAN 31 *	561 000	1968
1969	---	906 ON AUG 06	1.33 B ON FEB 08	821 000	1969
1970	---	176 ON JUN 17	1.64 B ON JAN 19	359 000	1970
1971	---	270 ON JUN 10	1.36 ON JAN 18	781 000	1971
1972	---	345 ON JUN 26	2.15 B ON FEB 24	788 000	1972
1973	---	160 ON MAY 28	1.53 B ON NOV 03	584 000	1973
1974	103 AT 17:40 MST ON MAY 11	100 ON MAY 11	2.44 B ON DEC 31	656 000	1974
1975	68.5 AT 21:30 MST ON JUN 29	61.4 ON JUN 30	1.01 B ON NOV 20	313 000	1975
1976	114 AT 13:00 MST ON AUG 17	106 ON AUG 17	1.47 B ON MAR 07	483 000	1976
1977	212 AT 10:50 MST ON MAY 30	187 ON MAY 30	1.44 B ON JAN 08	893 000	1977
1978	235 AT 12:30 MST ON JUL 12	189 ON JUL 12	1.85 B ON MAR 08	783 000	1978
1979	102 AT 15:40 MST ON MAY 27	85.0 ON MAY 27	1.10 B ON JAN 19	416 000	1979
1980	1 260 AT 09:25 MST ON JUN 05 *	1 130 ON JUN 05 *	1.32 B ON JAN 10	1 110 000	1980
1981	133 AT 02:30 MST ON JUL 31	122 ON JUL 31	1.51 B ON DEC 31	502 000	1981
1982	484 AT 20:05 MST ON JUL 05	399 ON JUL 05	1.18 B ON FEB 25	889 000	1982
1983	109 AT 13:00 MST ON JUN 25	104 ON JUN 25	1.72 B ON DEC 31	408 000	1983
1984	88.7 AT 16:15 MST ON JUN 09	82.7 ON JUN 09	1.61 B ON FEB 17	487 000	1984
1985	129 AT 02:15 MST ON SEP 14	117 ON SEP 14	1.33 B ON FEB 15	572 000	1985
1986	624 AT 20:23 MST ON JUL 18	502 ON JUL 18	1.97 B ON FEB 11	812 000	1986
1987	476 AT 19:45 MST ON AUG 02	356 ON AUG 02	2.13 B ON DEC 16	464 000	1987
1988	89.9 AT 23:16 MST ON JUN 08	80.7 ON JUN 11	1.46 B ON JAN 20	309 000	1988
1989	308 AT 18:26 MST ON AUG 17	256 ON AUG 18	1.66 B ON MAR 22	782 000	1989
1990	321 AT 22:28 MST ON JUN 13	264 ON JUN 14	2.12 B ON FEB 02	817 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		634 000	MEAN

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	3.19	14.0	4.67	2.11	3.87	5.30	---	---	---	1984
1985	---	---	1.51	1.66	6.47	9.13	5.02	8.09	8.93	3.71	---	---	5.55	1985
1986	---	---	0.999	1.49	8.90	10.8	19.6	5.73	4.33	7.12	---	---	7.40	1986
1987	---	---	0.588	1.02	4.07	4.39	5.27	17.3	3.56	1.88	---	---	4.78	1987
1988	---	---	0.442	2.31	4.63	7.11	2.72	5.24	2.81	2.77	---	---	3.50	1988
1989	---	---	0.558	1.40	7.54	10.4	8.65	17.3	9.17	3.80	---	---	7.35	1989
1990	---	---	0.564	3.41	16.4	25.2	12.6	6.09	4.45	2.50	---	---	8.89	1990
MEAN	---	---	0.777	1.88	7.31	11.6	8.36	8.84	5.30	3.87	---	---	6.25	MEAN

LOCATION - LAT 53 04 44 N LONG 117 11 50 W DRAINAGE AREA, 331 km^2 NATURAL FLOW

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	30.9 AT 06:30 MST ON JUN 15	28.0 ON JUN 15	---	---	1984
1985	30.7 AT 03:50 MST ON SEP 13	25.6 ON SEP 13	0.410B ON MAR 29 *	118 000	1985
1986	70.8 AT 22:51 MST ON JUL 17	62.6 ON JUL 18	0.471B ON MAR 05	157 000	1986
1987	67.4 AT 23:38 MST ON AUG 01	60.4 ON AUG 02	0.454B ON MAR 04	101 000	1987
1988	28.2 AT 04:51 MST ON JUN 08	18.3 ON JUN 08	0.415B ON MAR 08	74 000	1988
1989	109 AT 00:18 MST ON AUG 17 *	82.1 ON AUG 17 *	0.480B ON MAR 01	156 000	1989
1990	78.6 AT 21:20 MST ON MAY 30	60.3 ON JUN 01	0.500B ON MAR 20	188 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		132 000	MEAN

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	23.0	8.43	---	1954
1955	5.54	5.96	4.25	31.6	82.9	122	68.1	28.1	12.3	13.5	6.66	6.32	32.4	1955
1956	5.43	4.33	4.50	42.0	50.5	69.6	28.4	24.7	21.7	9.82	11.7	7.19	21.9	1956
1957	4.57	6.27	5.10	36.8	92.3	56.3	51.6	66.1	46.1	---	---	---	---	1957
MEAN	5.18	5.52	4.62	31.1	75.2	82.6	49.4	39.6	26.7	11.7	13.8	7.31	27.1	MEAN

LOCATION - LAT 53 36 00 N LONG 116 20 00 W DRAINAGE AREA, 5 450 km^2 NATURAL FLOW

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	385 ON JUN 02 *	2.89B ON JAN 01 *	1 020 000	1955
1956	---	204 ON JUN 06	3.51B ON FEB 26	692 000	1956
1957	---	176 ON MAY 03	---	---	1957
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		856 000	MEAN

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	73.1	23.2	11.1	73.1	53.7	17.1	9.15	---	1984
1985	7.85	6.26	6.84	50.8	47.6	64.0	35.0	61.3	88.7	47.4	18.5	13.2	37.3	1985
1986	9.84	8.45	10.3	23.0	107	58.7	296	52.0	49.9	86.6	25.2	14.4	62.5	1986
1987	10.0	9.17	8.50	26.9	35.2	24.2	27.4	123	28.8	16.4	10.9	6.21	27.4	1987
1988	4.98	5.00	10.9	32.5	22.3	62.1	29.5	25.0	16.2	16.4	8.44	5.83	19.9	1988
1989	4.81	4.24	4.69	27.7	58.4	70.8	136	216	91.7	41.2	27.8	16.3	58.8	1989
1990	11.1	8.27	11.1	48.6	118	233	137	31.9	28.7	19.6	8.97	11.4	55.6	1990
MEAN	8.10	6.90	8.72	34.9	64.8	83.7	97.7	74.3	53.9	40.2	16.7	10.9	43.6	MEAN

LOCATION - LAT 53 41 49 N LONG 116 09 42 W DRAINAGE AREA, 7 150 km² NATURAL FLOW

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	212 AT 04:35 MST ON MAY 18	201 ON MAY 18	---	---	1984
1985	296 AT 11:45 MST ON SEP 14	282 ON SEP 14	5.52B ON FEB 08	1 180 000	1985
1986	2 300 AT 23:48 MST ON JUL 18 *	1 790 ON JUL 19 *	6.83B ON JAN 26	1 970 000	1986
1987	635 AT 02:20 MST ON AUG 03	510 ON AUG 03	5.30B ON DEC 04	864 000	1987
1988	195 AT 21:20 MST ON JUN 12	172 ON JUN 13	3.55B ON FEB 06	630 000	1988
1989	708 AT 16:41 MST ON AUG 18	658 ON AUG 18	3.47B ON FEB 04 *	1 850 000	1989
1990	727 AT 08:02 MST ON JUN 14	679 ON JUN 14	6.58B ON NOV 11	1 750 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 370 000	MEAN

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	70.6	61.4	79.0	36.7	21.0	11.9	9.54	---	1968
1969	4.35	2.30	2.83	41.2	63.3	36.8	119	214	55.1	39.9	17.4	10.9	71.8	1969
1970	6.55	5.87	7.54	25.1	106	97.9	46.4	28.0	14.6	10.5	---	---	41.9	1970
1971	---	---	6.51	88.0	111	266	304	38.4	28.5	43.9	---	---	111	1971
1972	---	---	4.85	27.2	101	249	108	44.0	44.5	79.0	---	---	92.0	1972
1973	---	---	11.0	81.0	170	93.8	42.7	40.9	24.0	31.6	---	---	61.7	1973
1974	---	---	7.91	106	211	76.6	76.9	35.6	32.6	23.4	---	---	71.2	1974
1975	---	---	3.59	19.8	72.0	60.7	63.7	19.5	15.8	10.9	---	---	33.2	1975
1976	---	---	5.32	59.8	55.3	47.5	40.9	86.9	34.1	18.5	---	---	43.1	1976
1977	---	---	7.06	31.0	246	131	87.3	96.4	136	67.7	---	---	100	1977
1978	---	---	12.8	56.0	125	173	114	46.9	100	45.3	---	---	83.9	1978
1979	---	---	13.8	34.4	110	102	87.3	34.1	15.6	16.4	---	---	51.7	1979
1980	---	---	6.30	75.6	73.1	443	157	69.5	92.1	43.4	---	---	119	1980
1981	---	---	13.4	33.3	94.5	81.4	55.3	56.9	22.4	16.9	---	---	46.8	1981
1982	---	---	5.22	24.8	118	79.3	313	81.7	69.5	80.3	---	---	96.9	1982
1983	---	---	7.77	41.1	54.8	62.8	117	24.6	15.9	13.8	---	---	42.2	1983
1984	---	---	9.46	38.9	83.4	78.9	23.2	14.9	77.2	56.9	---	---	47.7	1984
1985	---	---	10.9	62.1	54.1	77.7	45.5	64.7	104	52.8	---	---	58.7	1985
1986	---	---	14.7	58.9	127	71.1	311	63.2	51.3	105	---	---	101	1986
1987	---	---	9.57	49.4	38.8	26.9	28.4	132	33.3	18.2	---	---	42.2	1987
1988	---	---	11.5	35.1	22.9	68.2	37.1	27.9	16.2	16.8	---	---	29.7	1988
1989	---	---	5.09	32.9	66.0	76.4	166	254	102	46.1	---	---	93.8	1989
1990	---	---	15.1	62.0	124	266	163	33.8	32.6	22.5	---	---	89.6	1990
MEAN	5.45	4.09	8.74	49.2	105	119	112	69.0	50.2	38.3	14.7	10.2	69.5	MEAN

LOCATION - LAT 54 00 46 N LONG 115 50 18 W DRAINAGE AREA, 9 100 km² NATURAL FLOW

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	140 ON AUG 08	---	---	1968
1969	---	1 430E ON AUG 07	2.27B ON MAR 01 *	1 520 000	1969
1970	518 AT 18:00 MST ON JUN 17	371 ON JUN 18	6.09B ON MAR 01	887 000	1970
1971	886 AT 03:00 MST ON JUL 13	858 ON JUL 12	5.83B ON MAR 12	2 340 000	1971
1972	1 450A AT 01:00 MST ON JUN 27	1 290A ON JUN 27	4.59B ON MAR 19	1 950 000	1972
1973	292 AT 14:00 MST ON MAY 29	280 ON MAY 29	10.6 B ON MAR 01	1 310 000	1973
1974	388 AT 12:30 MST ON MAY 12	379 ON MAY 12	7.48B ON MAR 12	1 510 000	1974
1975	250 AT 15:00 MST ON JUN 30	239 ON JUN 30	3.23B ON MAR 05	704 000	1975
1976	203 AT 11:00 MST ON AUG 18	195 ON AUG 18	4.96B ON MAR 01	912 000	1976
1977	697 AT 00:30 MST ON MAY 31	609 ON MAY 31	6.29B ON MAR 22	2 120 000	1977
1978	---	388 ON JUN 16	8.50B ON MAR 03	893 000	1978
1979	227 AT 15:45 MST ON JUL 13	215 ON JUL 14	6.40B ON MAR 01	1 780 000	1979
1980	1 940 AT 10:35 MST ON JUN 06	1 780 ON JUN 06 *	5.58B ON MAR 05	1 090 000	1980
1981	---	215E ON AUG 01	8.80B ON MAR 09	2 520 000	1981
1982	1 230 AT 16:15 MST ON JUL 06	1 170 ON JUL 06	4.20B ON MAR 01	990 000	1982
1983	294 AT 08:35 MST ON JUL 04	289 ON JUL 04	7.25B ON MAR 29	2 050 000	1983
1984	239 AT 17:40 MST ON MAY 18	218 ON MAY 18	6.67B ON MAR 01	893 000	1984
1985	370 AT 15:45 MST ON SEP 14	315 ON SEP 15	8.31B ON MAR 14	1 010 000	1985
1986	2 020 AT 17:45 MST ON JUL 19 *	1 650E ON JUL 19	9.49B ON MAR 08	1 240 000	1986
1987	670 AT 12:34 MST ON AUG 03	593 ON AUG 03	9.72B ON MAR 09	2 140 000	1987
1988	210 AT 09:36 MST ON JUN 13	200 ON JUN 13	5.02B ON MAR 01	892 000	1988
1989	795 AT 00:49 MST ON AUG 19	724 ON AUG 19	4.63B ON MAR 22	629 000	1989
1990	828 AT 12:33 MST ON JUN 14	779 ON JUN 14	12.3 B ON MAR 14	1 990 000	1990
				1 900 000	
				1 470 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	211	60.7	17.7	20.8	16.2	10.3	5.48	---	1914
1915	3.46	3.06	3.70	15.7	32.0	204	275	52.2	30.1	29.7	13.9	4.81	56.0	1915
1916	2.66	2.07	6.20	29.3	41.5	89.6	97.3	45.5	28.9	29.5	15.2	7.45	32.9	1916
1917	5.04	3.03	2.44	23.5	208	121	46.7	29.1	37.4	29.2	16.8	12.2	44.8	1917
1918	12.7	10.9	6.21	54.5	80.7	88.2	67.5	26.4	19.3	12.8	6.18	3.52	32.7	1918
1919	4.46	3.15	2.25	16.0	19.5	34.2	17.9	19.6	75.5	22.4	11.4	6.48	19.4	1919
1920	7.11	4.03	4.06	11.1	191	124	58.0	39.0	31.6	21.2	10.0	4.76	42.3	1920
1921	2.78	2.62	4.11	56.0	149	63.0	30.3	25.0	18.1	13.0	8.47	4.18	31.6	1921
1922	1.82	0.992	1.12	34.6	113	30.8	27.0	18.8	12.5	9.27	5.23	2.10	21.6	1922
1923	1.11	0.227	0.263	20.4	28.3	122	92.8	64.7	29.4	24.5	12.6	---	---	1923
1924	---	---	---	16.9	111	86.3	38.9	67.7	51.0	35.2	---	---	---	1924
1925	---	---	6.67	77.8	41.5	112	33.3	141	138	---	---	---	---	1925
1926	---	---	15.7	54.6	25.7	48.3	28.6	38.6	199	105	---	---	---	1926
1927	---	---	4.72	44.5	111	131	124	55.8	59.3	34.8	---	---	---	1927
1928	---	---	---	---	---	---	---	45.8	24.8	20.8	---	---	---	1928
1929	---	---	11.2	29.7	76.0	59.7	34.4	16.4	22.3	32.7	---	---	---	1929
1930	---	---	4.52	66.2	94.0	89.0	52.3	21.9	18.2	17.0	12.4	6.28	---	1930
1931	2.74	2.50	2.99	15.2	41.3	---	---	---	---	---	---	---	---	1931
1954	---	---	---	---	---	---	---	---	---	---	---	---	---	1954
1957	---	---	---	---	---	---	---	---	---	---	---	---	---	
1958	9.96	9.96	9.46	46.6	107	102	130	25.2	14.1	36.0	24.1	15.3	---	1957
1959	3.80	4.16	5.52	28.0	64.9	144	51.6	21.1	33.3	9.85	5.69	3.28	40.3	1958
										41.3	21.9	12.7	36.0	1959
1960	7.97	7.02	6.99	23.9	101	132	88.9	21.2	17.5	16.9	9.15	6.70	36.6	1960
1961	5.73	4.45	5.17	19.0	57.8	32.4	44.6	36.1	14.0	37.0	31.4	11.0	25.1	1961
1962	5.54	7.85	6.15	63.9	103	60.9	66.1	42.9	47.3	26.0	20.6	8.47	38.3	1962
1963	4.77	3.82	3.27	78.7	96.6	49.7	31.1	13.5	16.6	11.9	8.73	4.20	27.0	1963
1964	2.65	3.25	3.41	9.52	114	125	46.3	40.2	124	52.8	17.6	9.48	45.6	1964
1965	6.22	5.81	7.58	26.7	140	203	236	49.3	112	47.2	16.7	11.6	72.2	1965
1966	6.17	5.74	5.48	45.1	134	63.5	117	141	61.7	39.8	21.5	9.83	54.7	1966
1967	6.00	8.51	6.31	13.9	92.9	136	35.3	24.7	9.37	10.1	7.23	4.03	29.5	1967
1968	3.92	5.34	17.1	33.4	64.8	61.5	60.8	74.6	32.1	18.3	12.0	9.63	32.9	1968
1969	---	---	5.95	39.9	60.7	38.2	118	176	44.4	35.1	---	---	---	1969
1970	---	---	8.68	23.1	69.0	78.3	31.6	17.6	11.2	9.24	4.60	4.95	---	1970
1971	4.10	4.85	5.05	63.1	78.9	211	211	33.3	25.8	31.3	16.7	9.77	58.1	1971
1972	6.53	5.88	5.94	24.0	154	213	77.3	34.2	38.9	66.9	22.8	14.1	55.4	1972
1973	8.98	9.24	9.31	60.2	156	77.8	35.3	32.1	18.5	22.3	12.6	9.06	37.8	1973
1974	6.71	6.71	6.39	75.6	176	70.2	57.9	31.9	28.5	19.9	8.50	6.76	41.5	1974
1975	4.73	3.88	3.67	15.4	57.7	49.9	45.6	14.8	11.7	8.81	5.30	5.30	19.0	1975
1976	5.30	4.62	4.59	40.3	44.9	41.0	31.7	75.4	27.4	15.9	8.44	5.66	25.5	1976
1977	4.12	5.34	4.90	20.3	202	101	70.6	81.8	109	52.0	10.6	9.14	56.3	1977
1978	7.20	5.38	7.61	44.9	111	142	91.4	38.9	79.9	36.0	15.0	10.6	49.3	1978
1979	4.41	5.00	9.91	26.7	74.6	69.4	59.6	26.6	12.4	14.1	5.54	5.77	26.3	1979
1980	5.21	5.00	4.52	49.9	64.0	400	130	56.9	73.1	33.0	15.5	12.8	70.5	1980
1981	9.66	4.92	10.1	24.9	75.8	62.7	51.6	42.0	19.0	11.9	11.4	4.13	27.6	1981
1982	4.31	2.80	3.83	13.7	92.4	73.3	261	68.3	56.0	64.9	21.9	11.2	56.5	1982
1983	7.33	6.17	7.49	33.4	46.8	56.3	79.5	17.9	12.6	12.6	11.6	4.47	24.8	1983
1984	4.31	4.14	5.55	---	---	---	---	---	---	---	---	---	---	1984
MEAN	5.33	4.93	6.10	36.0	92.9	105	79.8	45.6	43.4	28.7	13.2	7.76	39.6	MEAN

LOCATION - LAT 53 39 15 N LONG 116 16 50 W DRAINAGE AREA, 6 310 km^2 NATURAL FLOW

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	583 ON JUN 09	---	---	1914
1915	---	954 ON JUN 27	2.29 B ON FEB 19	1 760 000	1915
1916	---	294 ON JUL 05	1.70 B ON MAR 02	1 040 000	1916
1917	---	470 ON MAY 22	2.12 B ON FEB 21	1 410 000	1917
1918	---	210 ON MAY 31	3.91 B ON NOV 28	1 030 000	1918
1919	---	317 ON SEP 08	1.59 B ON MAR 18	611 000	1919
1920	---	467 ON MAY 09	2.12 B ON DEC 28	1 340 000	1920
1921	---	264 ON MAY 15	1.90 B ON FEB 16	995 000	1921
1922	---	248 ON MAY 02	0.566B ON FEB 17	681 000	1922
1923	---	255 ON JUN 28	0.096B ON MAR 03 *	---	1923
1924	---	203 ON MAY 04	---	---	1924
1925	---	515 ON AUG 17	---	---	1925
1926	---	326 ON SEP 08	---	---	1926
1927	---	263B ON APR 29	---	---	1927
1928	---	521 ON JUL 06	---	---	1928
1929	---	136 ON MAY 17	---	---	1929
1930	---	191 ON JUN 01	---	---	1930
1931	---	---	---	---	1931
1954	2 270 ON JUN 08 *	---	---	---	1954
1957	---	---	---	---	1957
1958	895A AT 17:00 MST ON JUN 29	660A ON JUN 30	2.38 B ON NOV 28	1 270 000	1958
1959	419 AT 02:00 MST ON JUN 28	374 ON JUN 28	1.70 B ON FEB 22	1 140 000	1959
1960	473 AT 19:00 MST ON JUN 26	408 ON JUN 27	2.97 B ON MAR 21	1 160 000	1960
1961	198 AT 04:00 MST ON JUL 31	186 ON JUL 31	3.40 B ON MAR 18	791 000	1961
1962	297 AT 18:00 MST ON MAY 20	241 ON MAY 21	4.25 B ON JAN 28	1 210 000	1962
1963	---	272 ON APR 27	2.27 B ON MAR 22	850 000	1963
1964	399 AT 02:00 MST ON MAY 08	371 ON MAY 08	2.46 B ON FEB 03	1 440 000	1964
1965	954 AT 11:00 MST ON JUN 01	838 ON JUN 01	4.13 B ON APR 03	2 280 000	1965
1966	569 AT 12:00 MST ON MAY 11	481 ON JUL 05	3.10 B ON FEB 14	1 730 000	1966
1967	294 AT 15:00 MST ON JUN 10	274 ON JUN 10	1.09 B ON DEC 14	931 000	1967
1968	133 AT 10:34 MST ON AUG 07	129 ON AUG 07	1.70 B ON FEB 16	1 040 000	1968
1969	2 020 AT 02:02 MST ON AUG 07	1 400 ON AUG 07	---	---	1969
1970	428 AT 07:30 MST ON JUN 17	368 ON JUN 17	---	---	1970
1971	623 AT 16:30 MST ON JUL 12	617 ON JUL 12	3.34 B ON JAN 23	1 830 000	1971
1972	1 180 AT 17:00 MST ON JUN 26	1 040 ON JUN 26	5.38 B ON FEB 04	1 750 000	1972
1973	331 AT 23:40 MST ON MAY 28	292 ON MAY 29	7.93 B ON JAN 25	1 190 000	1973
1974	340 AT 22:50 MST ON MAY 11	326 ON MAY 12	4.84 B ON JAN 26	1 310 000	1974
1975	190 AT 03:00 MST ON JUN 30	177 ON JUN 30	3.57 B ON MAR 30	599 000	1975
1976	196 AT 21:10 MST ON AUG 17	175 ON AUG 18	3.57 B ON DEC 08	807 000	1976
1977	561 AT 14:30 MST ON MAY 30	518 ON MAY 30	3.40 B ON JAN 10	1 780 000	1977
1978	374 AT 20:20 MST ON JUL 12	314 ON JUN 16	4.19 B ON FEB 13	1 550 000	1978
1979	154 AT 05:20 MST ON JUL 13	151 ON JUL 13	2.90 B ON JAN 22	830 000	1979
1980	1 980 AT 18:15 MST ON JUN 05	1 710 ON JUN 05 *	4.16 B ON MAR 06	2 230 000	1980
1981	192 AT 07:20 MST ON JUL 31	179 ON JUL 31	2.27 B ON DEC 31	870 000	1981
1982	1 100 AT 03:35 MST ON JUL 06	986 ON JUL 06	2.08 B ON JAN 06	1 780 000	1982
1983	210 AT 04:00 MST ON JUL 04	198 ON JUL 04	3.70 B ON DEC 29	782 000	1983
1984	---	---	---	---	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 250 000	MEAN

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.414	0.233	0.179	---	---	---	1908
1909	---	---	---	---	1.01	0.841	0.524	0.274	0.115	0.105	---	---	---	1909
1910	---	---	---	0.103	0.070	0.016	0	0	0.008	0.040	---	---	---	1910
1911	---	---	---	0.149	0.208	0.128	0.052	0.307	0.721	0.344	---	---	---	1911
1912	---	---	---	0.361	0.201	0.221	0.273	0.154	0.115	0.083	---	---	---	1912
1913	---	---	---	---	0.181	0.246	0.124	0.068	0.035	0.050	---	---	---	1913
1914	---	---	---	0.196	0.050	0.028	0.001	0.006	0.008	0.118	---	---	---	1914
1915	---	---	---	0.185	0.516	0.986	0.940	0.595	0.258	0.217	---	---	---	1915
1916	---	---	0.757	0.211	0.277	0.799	0.413	0.194	0.235	0.202	---	---	---	1916
1917	---	---	---	0.220	1.53	2.08	0.564	0.242	0.163	0.143	---	---	---	1917
1918	---	---	---	0.099	0.038	0.026	0.002	0.001	0.012	0.014	---	---	---	1918
1919	---	---	0.051	0.099	0.025	0.001	---	---	---	---	---	---	---	1919
1922	---	---	0.050	0.223	0.228	0.041	0.076	0.003	0	0	---	---	---	1922
1923	---	---	0.057	0.161	0.284	3.87	0.652	0.182	0.069	0.066	---	---	---	1923
MEAN	---	---	0.229	0.182	0.355	0.714	0.302	0.188	0.152	0.120	---	---	---	MEAN

LOCATION - LAT 49 56 00 N LONG 113 45 00 W DRAINAGE AREA, 102 km^2 NATURAL FLOW

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	2.89 ON MAY 24	---	---	1909
1910	---	0.198 ON MAY 10	0 ON JUN 19 *	---	1910
1911	---	1.49 ON SEP 05	---	---	1911
1912	---	0.634 ON JUL 08	---	---	1912
1913	---	0.736 ON JUN 25	---	---	1913
1914	---	---	0 ON JUN 17	---	1914
1915	---	4.96 ON AUG 20	---	---	1915
1916	---	1.36 B ON MAR 10	---	---	1916
1917	---	11.2 ON MAY 29	---	---	1917
1918	---	---	0 ON JUL 11	---	1918
1919	---	0.425E ON APR 01	0 ON MAR 01	---	1919
1922	---	1.13 ON APR 28	0B ON MAR 01	---	1922
1923	---	23.7 ON JUN 01 *	---	---	1923
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	0.080	0.078	0.278	0.099	0.078	0.016	0.027	---	---	---	1966
1967	---	---	0.263	0.232	2.10	1.70	0.226	0.123	0.059	0.070	---	---	0.595	1967
1968	---	---	0.059	0.112	0.093	0.106	0.028	0.012	0.036	0.048	---	---	0.061	1968
1969	---	---	0.917	0.798	0.357	0.393	0.490	0.105	0.065	0.083	---	---	0.401	1969
1970	---	---	0.054	0.107	0.106	0.086	0.018	0	0	0	---	---	0.046	1970
1971	---	---	0.089	0.234	0.070	0.122	0.013	0	0	0	---	---	0.065	1971
1972	---	---	0.591	0.465	0.590	0.351	0.102	0.044	0.034	0.082	---	---	0.282	1972
1973	---	---	0.069	0.088	0.104	0.108	0.008	0	0	0	---	---	0.047	1973
1974	---	---	0.152	0.212	0.319	0.284	0.083	0.112	0.019	0.022	---	---	0.150	1974
1975	---	---	0.008	0.336	0.528	0.565	0.348	0.126	0.057	0.055	---	---	0.252	1975
1976	---	---	0.191	0.134	0.062	0.044	0.007	0.182	0.054	0.031	---	---	0.088	1976
1977	---	---	0.010	0.087	0.020	0.002	0	0	0	0	---	---	0.015	1977
1978	---	---	0.660	0.173	0.347	0.437	0.197	0.050	0.112	0.067	---	---	0.255	1978
1979	---	---	0.137	0.264	0.492	0.224	0.046	0.016	0.005	0.009	---	---	0.149	1979
1980	---	---	0.055	0.083	0.021	0.028	0	0	0	0	---	---	0.023	1980
1981	---	---	0.021	0.007	0.263	0.253	0.142	0.049	0.021	0.044	---	---	0.100	1981
1982	---	---	0.044	0.140	0.020	0.036	0.008	0	0	0	---	---	0.031	1982
1983	---	---	0.021	0.022	0.012	0.004	0	0	0	0	---	---	0.008	1983
1984	---	---	0.003	0.002	0.001	0.002	0	0	0	0	---	---	0.001	1984
1985	---	---	0.012	0.023	0	0	0	0	0.001	0.002	---	---	0.005	1985
1986	---	---	0.113	0.041	0.093	0.050	0.011	0	0.009	0.012	---	---	0.041	1986
1987	---	---	0.024	0.048	0.001	0	0.001	0.001	0	0	---	---	0.009	1987
1988	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.110	0.062	0.015	0	0	0	0	---	---	0.023	1989
1990	---	---	0.007	0.039	0.166	0.264	0.086	0.010	0	0	---	---	0.071	1990
MEAN	---	---	0.146	0.153	0.236	0.214	0.077	0.036	0.020	0.022	---	---	0.113	MEAN

LOCATION - LAT 49 57 15 N
LONG 113 39 43 W
DRAINAGE AREA, 130 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1986

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1.12 AT 21:00 MST ON AUG 27	0.629 ON JUL 03	---	---	1966
1967	4.98 AT 01:45 MST ON MAY 18 *	3.34 R ON MAY 17	0.014B ON MAR 13	12 600	1967
1968	0.320 AT 12:14 MST ON APR 12	0.221 ON JUN 08	0.006B ON MAR 18	1 300	1968
1969	---	4.93 B ON MAR 18 *	0.014B ON MAR 01	8 480	1969
1970	0.719 AT 11:00 MST ON JUN 14	0.552 ON JUN 14	0 ON AUG 02 *	978	1970
1971	---	0.408B ON APR 06	0 ON JUL 17	1 380	1971
1972	4.45 AT 06:30 MST ON JUN 10	2.55 B ON MAR 11	0 B ON MAR 01	5 980	1972
1973	0.481 AT 07:20 MST ON MAY 26	0.365 ON MAY 26	0 ON JUL 12	991	1973
1974	1.87 AT 14:40 MST ON APR 27	1.23 B ON MAR 28	0.001B ON MAR 09	3 170	1974
1975	2.49 AT 14:00 MST ON JUN 20	2.03 ON JUN 20	0 B ON MAR 01	5 330	1975
1976	2.89 B AT 03:40 MST ON MAR 18	1.75 B ON MAR 17	0 ON JUL 19	1 870	1976
1977	1.29 B AT 10:50 MST ON APR 05	0.476B ON APR 03	0 ON JUN 06	314	1977
1978	---	2.41 B ON MAR 20	0.014 ON OCT 11	5 410	1978
1979	0.611 AT 10:20 MST ON MAY 16	0.578 ON MAY 19	0 B ON MAR 01	3 150	1979
1980	0.925 AT 08:35 MST ON APR 14	0.453 ON APR 14	0 ON APR 30	492	1980
1981	1.19 AT 14:00 MST ON JUN 14	0.931 ON JUN 14	0.004 ON APR 04	2 120	1981
1982	1.49 AT 09:30 MST ON APR 14	0.705 ON APR 14	0 B ON MAR 01	650	1982
1983	0.116B AT 08:55 MST ON MAR 10	0.062B ON MAR 10	0 ON MAY 30	159	1983
1984	0.143 AT 12:55 MST ON MAR 22	0.027 ON MAR 22	0 B ON MAR 01	20.6	1984
1985	---	0.120B ON MAR 17	0 B ON MAR 01	103	1985
1986	0.832 AT 09:50 MST ON MAR 01	0.337 ON MAR 01	0 ON AUG 02	872	1986
1987	0.379 AT 14:36 MST ON APR 01	0.154 ON APR 01	0 B ON MAR 01	196	1987
1988	---	0.004E ON MAR 26	0 ON MAR 01	2.51	1988
1989	0.347 AT 12:15 MST ON APR 12	0.248 ON APR 21	0 B ON MAR 01	491	1989
1990	1.16 AT 20:45 MST ON MAY 25	0.617 ON MAY 25	0 B ON MAR 01	1 510	1990
				2 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MEANDER RIVER AT OUTLET HUTCH LAKE - STATION NO. 07OB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.454	---	---	---	1975
1976	---	---	0.008	3.02	2.58	1.99	1.10	3.80	1.80	0.997	---	---	1.91	1976
1977	---	---	0.004	0.618	1.85	7.47	2.29	0.220	0.009	0.021	---	---	1.55	1977
1978	---	---	0.003	0.045	2.07	1.67	0.141	0.013	0.786	0.932	---	---	0.706	1978
1979	---	---	0.001	0.007	7.83	6.11	0.635	0.038	0.023	0.058	---	---	1.83	1979
1980	---	---	0.004	0.163	0.013	0.002	0	0.001	0	0	---	---	0.022	1980
1981	---	---	0	0.027	1.10	0.183	0.037	0.018	0.001	0	---	---	0.172	1981
1982	---	---	0.002	0.031	0.436	0.048	0.005	0	0	0.003	---	---	0.066	1982
1983	---	---	0	0.198	1.97	0.406	0.060	0.015	0.004	0.005	---	---	0.334	1983
1984	---	---	0.020	0.065	0.209	0.137	2.95	0.260	1.02	0.581	---	---	0.658	1984
1985	---	---	0.001	0.138	4.68	0.645	0.086	0.373	0.714	0.777	---	---	0.932	1985
1986	---	---	0.002	0.105	3.17	3.17	2.81	0.792	0.177	0.229	---	---	1.31	1986
1989	---	---	0	0.177	4.28	3.37	0.718	0.070	0.001	0	---	---	1.08	1989
1990	---	---	0	0.037	0.272	0.030	0.008	0.003	0	0.003	---	---	0.044	1990
MEAN	---	---	0.003	0.356	2.34	1.94	0.834	0.431	0.349	0.290	---	---	0.816	MEAN

LOCATION - LAT 58 46 15 N LONG 117 23 05 W DRAINAGE AREA, 507 km² NATURAL FLOW

MEANDER RIVER AT OUTLET HUTCH LAKE - STATION NO. 07OB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	9.71 AT 17:30 MST ON AUG 21	9.60 ON AUG 21	0.004B ON MAR 01	40 400	1976
1977	19.5 AT 03:50 MST ON JUN 11 *	19.3 ON JUN 11 *	0 B ON MAR 20 *	32 700	1977
1978	5.21 AT 09:00 MST ON MAY 27	5.10 ON MAY 27	0.002B ON MAR 23	14 900	1978
1979	18.7 AT 17:00 MST ON MAY 30	18.5 ON MAY 30	0.001B ON MAR 01	38 800	1979
1980	0.715 AT 15:00 MST ON APR 24	0.695 ON APR 24	0 B ON MAR 01	474	1980
1981	2.93 AT 15:00 MST ON MAY 04	2.71 ON MAY 05	0 B ON MAR 01	3 630	1981
1982	0.856 AT 21:30 MST ON MAY 27	0.619 ON MAY 21	0 ON JUL 21	1 400	1982
1983	2.41 AT 06:30 MST ON MAY 10	2.39 ON MAY 09	0 B ON MAR 01	7 070	1983
1984	5.66 AT 15:30 MST ON JUL 04	5.55 ON JUL 04	0 ON JUN 16	13 900	1984
1985	8.57 AT 23:00 MST ON MAY 05	8.41 ON MAY 05	0 B ON MAR 06	19 700	1985
1986	8.31 AT 07:00 MST ON JUN 23	7.96 ON JUN 24	0.001B ON MAR 14	27 700	1986
1989	6.89 AT 19:00 MST ON MAY 30	6.81 ON MAY 30	0 B ON MAR 01	22 800	1989
1990	0.775 AT 11:00 MST ON MAY 09	0.543 ON MAY 09	0 B ON MAR 01	940	1990
				17 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	1.13	1.26	1.00	2.99	2.29	0.809	---	---	---	1962
1963	---	---	---	19.7	5.04	1.66	7.68	1.16	0.465	0.395	---	---	---	1963
1964	---	---	0	5.41	15.2	8.14	2.00	0.486	6.27	2.99	---	---	---	1964
1965	---	---	0.487	44.3	18.5	30.3	44.7	3.50	9.30	3.62	---	---	---	1965
1966	---	---	3.07	26.9	7.00	4.90	8.11	5.78	1.14	1.81	---	---	---	1966
1967	---	---	0	18.8	11.4	10.6	1.84	0.396	0.002	0.021	---	---	---	1967
1968	---	---	1.43	4.69	0.720	0.899	2.06	2.22	1.81	1.85	---	---	---	1968
1969	---	---	0.256	19.2	2.82	1.40	16.5	2.71	2.47	2.35	---	---	---	1969
1970	---	---	0.602	17.5	3.89	4.71	6.04	1.18	0.275	0.879	---	---	---	1970
1971	---	---	0.381	39.6	5.55	6.41	13.3	1.21	0.525	0.445	0.602	0.380	---	1971
1972	0.283	0.255	1.24	15.5	4.65	12.0	6.61	1.24	0.688	1.09	---	---	---	1972
1973	---	---	0.792	27.4	7.98	3.18	5.42	12.5	2.57	1.52	---	---	---	1973
1974	---	---	0.504	40.4	21.0	5.24	6.54	1.30	0.514	0.817	0.603	0.269	---	1974
1975	0.202	0.202	0.243	10.5	7.49	2.02	1.23	0.322	0.163	0.222	0.263	0.281	1.93	1975
1976	0.450	0.290	0.292	6.77	1.36	0.838	0.273	4.38	0.985	0.510	0.408	0.347	1.41	1976
1977	0.332	0.335	0.356	7.61	15.3	5.38	1.01	0.974	2.55	1.71	0.656	0.347	3.06	1977
1978	0.292	0.319	3.23	10.9	5.71	7.20	1.32	0.456	2.00	1.36	0.753	0.381	2.82	1978
1979	0.114	0.093	3.26	8.05	3.81	1.40	1.40	0.367	0.103	0.197	0.299	0.258	1.62	1979
1980	0.195	0.167	0.192	13.7	3.65	18.5	13.9	6.74	9.56	3.10	1.72	0.705	5.99	1980
1981	0.544	0.498	10.4	4.41	16.5	3.86	10.6	12.1	1.19	1.22	1.17	0.359	5.31	1981
1982	0.264	0.341	0.362	21.9	5.90	3.38	36.9	4.27	3.07	3.79	1.07	0.524	6.86	1982
1983	0.508	0.445	1.17	19.0	4.67	1.71	8.99	0.651	0.101	0.339	0.471	0.259	3.20	1983
1984	0.331	0.313	2.08	4.02	3.66	2.46	0.211	0.083	0.821	0.998	0.448	0.192	1.30	1984
1985	0.271	0.183	1.20	20.9	3.26	0.864	0.246	0.299	5.31	2.13	0.874	0.294	2.97	1985
1986	0.285	0.314	7.88	2.33	15.2	1.42	27.5	2.69	2.63	5.44	1.47	0.643	5.74	1986
1987	0.435	0.422	0.845	7.72	2.05	0.597	1.59	1.73	1.10	0.647	0.670	0.269	1.67	1987
1988	0.109	0.118	1.21	2.31	0.438	1.79	4.90	2.37	2.02	1.39	0.592	0.355	1.47	1988
1989	0.292	0.212	0.283	18.9	6.86	1.90	4.63	10.3	1.71	5.08	3.79	0.873	4.58	1989
1990	0.465	0.332	7.72	17.3	12.8	30.0	38.9	1.91	0.705	1.12	0.707	0.548	9.42	1990
MEAN	0.316	0.285	1.83	16.2	7.36	6.00	9.50	3.05	2.15	1.65	0.921	0.405	3.71	MEAN

LOCATION - LAT 52 19 08 N LONG 114 20 33 W DRAINAGE AREA, 1 910 km² NATURAL FLOW

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	15.6 ON AUG 08	---	---	1962
1963	---	39.4 ON JUL 20	---	---	1963
1964	---	84.1 ON MAY 09	0 ON FEB 27 *	---	1964
1965	---	136 A ON JUL 14	---	---	1965
1966	---	133 B ON APR 02	---	---	1966
1967	---	48.1 ON APR 26	0 B ON MAR 01	---	1967
1968	---	6.20 ON JUL 27	0 ON MAY 25	---	1968
1969	---	108 B ON APR 09	---	---	1969
1970	---	51.0 B ON APR 08	---	---	1970
1971	---	100 ON APR 19	---	---	1971
1972	---	76.5 ON JUN 28	---	---	1972
1973	---	54.1 ON AUG 28	---	---	1973
1974	148 A AT 17:30 MST ON APR 19	133 A ON APR 19	---	---	1974
1975	---	39.4 B ON APR 21	0.051A ON SEP 23	60 700	1975
1976	56.6B ON APR 11	48.4 B ON APR 11	0.040 ON JUL 12	44 500	1976
1977	---	39.1 B ON APR 08	0.255B ON NOV 22	96 500	1977
1978	---	32.8 B ON MAR 31	0.150B ON DEC 31	88 900	1978
1979	---	31.5 B ON APR 22	0.003E ON SEP 12	50 900	1979
1980	---	66.3 ON JUN 07	0.160B ON JAN 26	189 000	1980
1981	71.8 AT 23:40 MST ON MAY 09	69.1 ON MAY 09	0.160B ON DEC 31	167 000	1981
1982	160 AT 07:00 MST ON JUL 08	153 ON JUL 08	0.150B ON JAN 04	216 000	1982
1983	---	50.8 B ON APR 03	0.050R ON SEP 18	101 000	1983
1984	---	13.5 B ON MAR 31	0.003 ON AUG 12	41 100	1984
1985	---	69.9 B ON APR 05	0.057 ON SEP 05	93 600	1985
1986	208 AT 20:40 MST ON JUL 20	181 ON JUL 21	0.202B ON FEB 18	181 000	1986
1987	---	19.0 B ON APR 05	0.190B ON DEC 18	52 800	1987
1988	30.2 AT 00:58 MST ON JUL 10	27.8 ON JUL 09	0.080B ON JAN 10	46 600	1988
1989	66.2 AT 09:52 MST ON APR 15	64.6 ON APR 15	0.195B ON FEB 12	144 000	1989
1990	236 AT 06:00 MST ON JUL 06 *	223 ON JUL 06 *	0.235B ON FEB 17	297 000	1990
				117 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MEETING CREEK NEAR DONALDA - STATION NO. 05FC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	---	---	0.001	---	---	---	1985
1986	---	---	1.62	0.146	0.408	0.016	0.020	0.024	0.022	0.055	---	---	0.291	1986
1987	---	---	0.138	1.60	0.011	0	0.016	0.031	0.236	0	---	---	0.249	1987
1988	---	---	0.001	0.630	0.009	0.032	0.022	0.010	0	0	---	---	0.086	1988
1989	---	---	0.035	0.441	0.019	0.002	0.229	0.001	0.008	0	---	---	0.091	1989
1990	---	---	0.755	1.10	0.005	0.527	0.382	0	0	0	---	---	0.343	1990
MEAN	---	---	0.510	0.783	0.090	0.115	0.134	0.013	0.053	0.009	---	---	0.212	MEAN

LOCATION - LAT 52 34 48 N
LONG 112 31 57 W
DRAINAGE AREA, 472 km²
NATURAL FLOW

MEETING CREEK NEAR DONALDA - STATION NO. 05FC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON SEP 27 *	---	1985
1986	---	4.61B ON MAR 03	0 ON JUN 14	5 170	1986
1987	8.42 AT 21:18 MST ON APR 04 *	7.55 ON APR 05	0B ON MAR 01	5 270	1987
1988	3.37 AT 19:07 MST ON APR 07	2.54 ON APR 07	0B ON MAR 01	1 830	1988
1989	3.71 AT 17:05 MST ON JUL 11	3.15 ON JUL 11	0B ON MAR 01	1 930	1989
1990	---	8.33 ON APR 02 *	0B ON MAR 01	7 270	1990
				4 490	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.083	2.96	0.158	0.468	0.254	0.082	0.057	0.022	---	---	0.503	1972
1973	---	---	0.828	1.79	0.350	1.62	1.63	3.36	0.339	0.176	---	---	1.26	1973
1974	---	---	0.029	30.4	10.1	1.16	0.753	0.203	0.044	0.038	---	---	5.28	1974
1975	---	---	0.006	4.49	3.37	0.160	0.105	0.017	0.013	0.047	---	---	1.02	1975
1976	---	---	0.088	3.86	0.057	0.065	0.027	0.008	0.006	0.001	---	---	0.504	1976
1977	---	---	0.001	0.035	0.641	0.007	0.001	0.001	0.001	0.001	---	---	0.087	1977
1978	---	---	1.08	1.80	0.129	0.108	0.084	0.068	0.841	0.179	---	---	0.532	1978
1979	---	---	2.36	0.976	0.294	0.041	0.027	0.007	0.006	0.005	---	---	0.467	1979
1980	---	---	0.007	2.36	0.135	0.796	0.415	0.454	0.084	0.041	---	---	0.530	1980
1981	---	---	1.14	0.253	0.055	0.039	0.020	0.005	0	0	---	---	0.191	1981
1982	---	---	0.004	1.21	0.113	0.042	0.958	0.049	0.024	0.118	---	---	0.314	1982
1983	---	---	0.574	0.636	0.344	1.22	3.27	0.166	0.007	0.004	---	---	0.780	1983
1984	---	---	0.105	0.213	0.024	0.008	0.001	0	0.008	0.008	---	---	0.045	1984
1985	---	---	3.92	2.49	0.233	0.040	0.008	0.115	0.010	0.167	---	---	0.873	1985
MEAN	---	---	0.730	3.82	1.14	0.412	0.540	0.324	0.103	0.058	---	---	0.885	MEAN

LOCATION - LAT 52 33 10 N LONG 112 24 40 W
DRAINAGE AREA, 1 500 km²
NATURAL FLOW

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---				
1973	17.7 AT 01:00 MST ON AUG 11	10.1 B ON APR 09	0 B ON MAR 01 *	10 600	1972
1974	143 ON APR 23 *	14.9 ON AUG 11 124 ON APR 24 *	0 B ON MAR 01 0.014 ON SEP 28	26 700 112 000	1973 1974
1975	39.6 B AT 04:00 MST ON APR 26	33.4 B ON APR 26	0.006B ON MAR 01	21 600	1975
1976	29.2 AT 01:00 MST ON APR 09	24.7 ON APR 09	0 ON JUL 29	10 700	1976
1977	4.87 AT 04:30 MST ON MAY 17	4.42 ON MAY 17	0 B ON MAR 01	1 840	1977
1978	12.0 B AT 06:00 MST ON APR 01	9.00 B ON APR 01	0 ON AUG 01	11 300	1978
1979	9.87B AT 09:00 MST ON MAR 18	8.73 B ON MAR 17	0.003B ON MAR 01	9 880	1979
1980	10.8 B AT 10:30 MST ON APR 12	8.49 B ON APR 12	0.003B ON MAR 01	11 200	1980
1981	3.04B AT 12:40 MST ON MAR 15	2.80 B ON MAR 15	0 ON AUG 12	4 040	1981
1982	---	5.00 B ON APR 19	0 B ON MAR 01	6 640	1982
1983	---	16.1 E ON JUL 03	0.002 ON SEP 09	16 500	1983
1984	---	0.562B ON APR 01	0 ON JUN 01	960	1984
1985	---	25.0 B ON MAR 22	0.001 ON AUG 13	18 500	1985
				18 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	1.20	0.235	0.055	0	0.008	0.014	[illegible]	0	---	---	0.191	1979
1980	---	---	0.032	3.79	0.089	0.029	0.049	0.346	0.018	0.002	---	---	0.535	1980
1981	---	---	0.751	0.033	0.094	0.033	0.014	0.308	0	0.001	---	---	0.156	1981
1982	---	---	0.288	0.816	0.041	0.024	0.352	0.005	0.025	0.001	---	---	0.193	1982
1983	---	---	0.291	0.068	0.029	0.024	0.079	0.042	0	0	---	---	0.067	1983
1984	---	---	0.218	0.142	0.023	0.030	0.038	0.078	0.046	0.023	---	---	0.075	1984
1985	---	---	4.26	2.93	0.131	0.003	0	0.017	0.025	0	---	---	0.919	1985
1986	---	---	0.246	0.010	0.034	0.175	0.072	0.005	0.253	0.180	---	---	0.118	1986
1987	---	---	0.263	1.48	0.002	0	0.079	0.021	0.028	0	---	---	0.231	1987
1988	---	---	0.023	0.804	0	0.120	0.001	0.130	0.014	0	---	---	0.134	1988
1989	---	---	0.378	2.03	0.038	0.127	0.012	0.005	0.007	0	---	---	0.320	1989
1990	---	---	0.641	0.306	0.030	0.093	0.054	0.034	0	0	---	---	0.145	1990
MEAN	---	---	0.716	1.05	0.047	0.055	0.063	0.084	0.032	0.017	---	---	0.257	MEAN

LOCATION - LAT 51 28 17 N LONG 112 42 59 W
DRAINAGE AREA, 1 140 km²
NATURAL FLOW

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	5.06RB ON MAR 14	0 ON JUN 01 *	4 040	1979
1980	---	20.9 B ON APR 14 *	0B ON MAR 01	11 300	1980
1981	8.83 AT 20:00 MST ON AUG 01 *	4.20 ON AUG 01	0 ON JUL 15	3 300	1981
1982	7.25 AT 18:34 MST ON APR 13	6.07 ON APR 13	0B ON MAR 01	4 080	1982
1983	3.85 AT 22:30 MST ON JUL 07	1.25B ON MAR 14	0 ON MAY 20	1 420	1983
1984	---	1.28B ON MAR 25	0B ON MAR 01	1 580	1984
1985	---	20.8 ON APR 02	0B ON MAR 01	19 500	1985
1986	---	2.39 ON JUN 09	0B ON APR 14	2 500	1986
1987	---	9.57 ON APR 02	0B ON MAR 01	4 880	1987
1988	---	3.09 ON APR 10	0B ON MAR 01	2 850	1988
1989	---	12.5 ON APR 04	0B ON MAR 01	6 770	1989
1990	---	3.40B ON MAR 21	0 ON JUL 16	3 070	1990
				5 440	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.012	0.007	0.007	0.006	0.006	0.005	---	1910
1911	---	---	---	0.528	0.032	0.137	0.144	0.042	0.238	0.024	---	---	---	1911
1912	---	---	---	---	0.328	0.034	0.020	0.013	0.015	0.017	---	---	---	1912
1913	---	---	---	1.39	0.092	0.039	0.019	0.013	0.009	0.009	---	---	---	1913
1914	---	---	---	1.04	0.031	0.014	0.018	0.010	0.008	0.015	---	---	---	1914
1949	---	---	---	---	---	---	---	---	---	0.004	0.006	---	---	1949
1950	---	---	0	0.544	0.015	0.006	0.006	0.006	0.006	0.007	0.008	---	0.072	1950
1951	---	---	0	2.92	1.49	0.067	0.015	0.116	0.056	0.020	---	---	0.581	1951
1952	---	---	0.062	9.34	0.281	0.030	0.022	0.019	0.017	0.012	---	---	1.20	1952
1953	---	---	0.013	0.738	1.31	1.28	0.083	0.112	0.036	0.017	---	---	0.446	1953
1954	---	---	0.014	0.830	0.193	0.057	0.027	0.016	0.016	0.032	---	---	0.146	1954
1955	---	---	0.120	5.47	1.26	0.058	0.482	0.111	0.030	0.026	---	---	0.933	1955
1956	---	---	0.034	0.967	0.388	0.100	0.075	0.024	0.020	0.018	---	---	0.201	1956
1957	---	---	0.026	2.28	0.591	0.041	0.023	0.015	0.010	0.011	---	---	0.370	1957
1958	---	---	0.262	1.61	0.334	0.011	0.008	0.012	0.009	0.008	---	---	0.241	1958
1959	---	---	0.624	1.16	0.078	0.025	0.029	0.017	0.013	0.012	---	---	0.243	1959
1960	---	---	2.10	0.659	0.282	0.063	0.027	0.016	0.012	0.010	---	---	0.398	1960
1961	---	---	0.025	0.011	0.011	0.009	0.004	0.003	0.005	0.005	---	---	0.009	1961
1962	---	---	0.143	0.051	0.015	0.020	0.012	0.002	0	0.002	---	---	0.031	1962
1963	---	---	0.072	0.064	0.013	0.007	0.564	0.008	0.006	0.006	---	---	0.093	1963
1964	---	---	0.033	0.380	0.261	0.019	0.010	0.007	0.011	0.011	---	---	0.091	1964
1965	---	---	0.014	5.21	0.541	1.10	0.387	0.050	0.061	0.067	---	---	0.913	1965
1966	---	---	2.06	0.898	0.156	0.052	0.039	0.031	0.027	0.027	---	---	0.412	1966
1967	---	---	0.017	0.590	3.86	0.242	0.054	0.040	0.030	0.034	---	---	0.612	1967
1968	---	---	0.273	0.063	0.049	0.035	0.022	0.021	0.019	0.018	---	---	0.063	1968
1969	---	---	0.015	2.17	0.041	0.031	0.027	0.022	0.015	0.016	---	---	0.286	1969
1970	---	---	0.016	2.63	1.60	0.256	0.070	0.032	0.031	0.023	---	---	0.578	1970
1971	---	---	0.018	1.89	0.228	0.068	0.020	0.018	0.015	0.014	---	---	0.279	1971
1972	---	---	1.35	0.084	0.038	0.028	0.022	0.017	0.008	0.009	---	---	0.196	1972
1973	---	---	0.030	0.021	0.023	0.015	0.005	0.002	0.004	0.009	---	---	0.014	1973
1974	---	---	0.028	1.10	0.441	0.053	0.019	0.012	0.012	0.012	---	---	0.207	1974
1975	---	---	0.006	0.464	1.71	0.399	0.032	0.026	0.019	0.014	---	---	0.334	1975
1976	---	---	0.876	0.769	0.033	0.028	0.019	0.017	0.016	0.017	---	---	0.221	1976
1977	---	---	0.014	0.012	0.007	0.007	0.005	0.001	0.003	0.009	---	---	0.007	1977
1978	---	---	0.012	1.06	0.288	0.032	0.020	0.012	0.014	0.019	---	---	0.180	1978
1979	---	---	1.31	2.26	0.325	0.048	0.030	0.022	0.019	0.015	---	---	0.500	1979
1980	---	---	0.024	0.041	0.012	0.012	0.004	0.004	0.004	0.006	---	---	0.013	1980
1981	---	---	0.016	0.007	0.011	0.004	0.002	0.002	0.002	0.002	---	---	0.006	1981
1982	---	---	0	0.677	0.472	0.850	0.019	0.011	0.010	0.012	---	---	0.253	1982
1983	---	---	0.009	0.007	0.079	0.010	0.005	0.004	0.004	0.006	---	---	0.016	1983
1984	---	---	0.011	0.010	0.008	0.005	0.001	0.001	0.002	0.002	---	---	0.005	1984
1985	---	---	0.189	1.66	0.328	0.023	0.014	0.007	0.007	0.004	---	---	0.276	1985
1986	---	0.711	1.86	0.051	0.233	0.021	0.016	0.012	0.701	0.037	---	---	0.367	1986
1987	---	0.027	1.74	0.929	0.036	0.023	0.020	0.013	0.013	0.020	---	---	0.349	1987
1988	---	---	0.016	0.191	0.017	0.008	0.004	0.003	0.002	0.003	---	---	0.030	1988
1989	---	---	0.018	0.065	0.015	0.035	0.006	0.003	0.003	0.002	---	---	0.018	1989
1990	---	---	0.516	0.089	0.345	0.025	0.009	0.002	0.001	0.003	---	---	0.125	1990
MEAN	---	0.369	0.341	1.20	0.391	0.121	0.054	0.021	0.034	0.014	0.007	0.005	0.276	MEAN

LOCATION - LAT 49 25 29 N DRAINAGE AREA, 305 km² INTERNATIONAL GAUGING STATION
LONG 110 03 09 W REGULATED

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1949	---	---	---	---	1949
1950	---	2.15 ON APR 16	0 B ON MAR 01 *	1 530	1950
1951	---	12.9 ON APR 28	0 B ON MAR 01	12 300	1951
1952	---	42.5 ON APR 15 *	0 B ON MAR 01	25 400	1952
1953	---	16.7 ON JUN 03	0 B ON MAR 01	9 440	1953
1954	---	3.26 B ON APR 14	0.003 ON JUL 11	3 100	1954
1955	---	13.1 ON APR 11	0.014B ON MAR 01	19 800	1955
1956	---	2.89 B ON APR 07	0.014 ON SEP 15	4 260	1956
1957	---	4.33 ON APR 23	0.008 ON SEP 04	7 840	1957
1958	---	10.6 ON APR 01	0.006 ON AUG 23	5 100	1958
1959	---	5.69 ON APR 03	0.006B ON MAR 01	5 140	1959
1960	---	9.71 ON MAR 28	0 B ON MAR 01	8 430	1960
1961	---	0.085B ON MAR 14	0 B ON MAR 01	193	1961
1962	---	0.937B ON MAR 28	0 B ON MAR 01	650	1962
1963	---	6.99 ON JUL 04	0.003B ON MAR 01	1 980	1963
1964	---	2.51 ON MAY 08	0.006B ON MAR 01	1 920	1964
1965	---	25.9 B ON APR 14	0.014B ON MAR 01	19 300	1965
1966	---	20.4 ON MAR 30	0.014B ON MAR 01	8 730	1966
1967	18.0 AT 13:00 MST ON MAY 18	14.5 ON MAY 18	0.011B ON MAR 01	13 000	1967
1968	---	1.23 B ON MAR 06	0.016 ON AUG 31	1 330	1968
1969	34.5 AT 06:50 CST ON APR 07 *	23.6 ON APR 07	0.012 ON SEP 25	6 060	1969
1970	17.4 AT 06:20 MST ON APR 11	13.1 ON APR 11	0.015B ON MAR 23	12 200	1970
1971	15.9 B AT 16:27 CST ON APR 16	9.15 B ON APR 16	0.012 ON OCT 12	5 910	1971
1972	15.5 AT 17:20 CST ON MAR 18	11.9 ON MAR 18	0.003B ON MAR 01	4 160	1972
1973	0.127 AT 12:20 CST ON APR 30	0.102 ON APR 30	0 ON JUL 28	292	1973
1974	3.94 AT 14:47 CST ON MAY 22	2.70 ON MAY 22	0.004B ON MAR 01	4 390	1974
1975	8.61 AT 21:30 CST ON MAY 08	6.29 ON MAY 08	0.003B ON MAR 27	7 070	1975
1976	7.42 B AT 17:22 CST ON MAR 19	5.32 B ON MAR 19	0.012 ON AUG 27	4 680	1976
1977	0.026 AT 18:56 CST ON JUL 13	0.019 ON APR 04	0.001 ON JUN 26	156	1977
1978	2.89 B AT 18:26 CST ON APR 06	2.19 ON APR 18	0.002B ON MAR 01	3 820	1978
1979	14.9 AT 14:36 CST ON APR 18	11.0 ON APR 18	0.003B ON MAR 01	10 600	1979
1980	0.147 AT 19:24 CST ON APR 13	0.111 ON APR 12	0.001 ON JUL 10	283	1980
1981	1.16 B AT 09:06 CST ON FEB 25	0.091B ON MAR 01	0.001 ON JUN 30	121	1981
1982	8.89 B AT 12:25 CST ON APR 24	6.50 B ON APR 24	0 B ON MAR 01	5 360	1982
1983	0.848 AT 16:46 CST ON MAY 16	0.544 ON MAY 17	0.002 ON AUG 19	330	1983
1984	0.056 AT 20:46 CST ON MAR 23	0.027 ON MAR 23	0 ON JUL 22	105	1984
1985	9.11 AT 20:39 CST ON APR 13	6.76 ON APR 13	0 B ON MAR 01	5 840	1985
1986	16.0 AT 01:37 CST ON SEP 26	12.7 ON MAR 01	0.004 ON AUG 11	7 770	1986
1987	16.1 B AT 08:55 CST ON MAR 07	13.2 B ON MAR 07	0.004 ON JUL 25	7 390	1987
1988	1.26 AT 17:12 CST ON APR 04	0.870 ON APR 05	0.001 ON AUG 06	636	1988
1989	0.409 AT 17:25 CST ON MAR 28	0.281 ON JUN 01	0.001B ON MAR 13	385	1989
1990	8.47 AT 17:57 CST ON MAY 25	3.96 ON MAY 26	0.001 ON AUG 09	2 650	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 850	MEAN

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR JUN TO SEP IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	0.020	---	---	---	---	1964
1965	---	---	---	---	---	---	0.119	0.032	0.025	---	---	---	---	1965
1966	---	---	---	---	0.044	0.100	0.071	0.022	0.011	---	---	---	0.051	1966
1967	---	---	---	---	0.023	0.148	0.081	0.020	0.007	0.005	0.002	0.001	0.064	1967
1968	0.001	0	0	0	0.022	0.118	0.074	0.033	0.022	0.017	0.005	0.003	0.062	1968
1969	0.001	0.001	---	---	0.061	0.115	0.097	0.013	0.006	0.004	0.002	0.001	0.058	1969
1970	0.001	0	0	0	0.019	0.132	0.042	0.010	0.005	0.004	0.002	0.001	0.047	1970
1971	0	0	0	---	---	0.132	0.045	0.013	0.005	0.004	0.001	0.001	0.049	1971
1972	0	0	0	0	0.019	0.132	0.074	0.033	0.011	0.010	0.004	0.001	0.062	1972
1973	0	0	0	0	0.031	0.117	0.057	0.011	0.014	0.003	0.002	0	0.049	1973
1974	0	0	0	0	0.003	0.164	0.066	0.025	0.013	0.008	---	---	0.066	1974
1975	---	---	---	---	---	0.076	---	---	0.012	0.006	---	---	---	1975
1976	---	---	---	---	---	0.099	0.081	0.056	0.033	---	---	---	0.067	1976
1977	---	---	---	---	0.036	0.073	0.015	0.038	0.034	0.014	---	---	0.040	1977
1978	---	---	---	---	---	---	0.078	0.024	0.016	0.016	---	---	---	1978
1979	---	---	---	---	---	---	0.027	0.008	0.006	---	---	---	---	1979
1980	---	---	---	---	0.051	0.097	0.027	0.029	0.044	0.027	---	---	0.049	1980
1981	---	---	---	---	0.056	0.103	0.106	0.055	0.012	0.008	---	---	0.069	1981
1982	---	---	---	---	---	---	0.057	0.014	0.010	0.010	---	---	---	1982
1983	---	---	---	---	---	0.101	0.058	0.012	0.003	---	---	---	0.043	1983
1984	---	---	---	---	---	0.053	0.036	0.009	0.008	---	---	---	0.026	1984
1985	---	---	---	---	---	0.085	0.027	0.048	0.068	---	---	---	0.057	1985
1986	---	---	---	---	---	0.126	0.041	0.024	0.016	---	---	---	0.051	1986
MEAN	0	0	0	0	0.033	0.110	0.061	0.025	0.017	0.010	0.003	0.001	0.054	MEAN

LOCATION - LAT 50 57 30 N
LONG 115 11 56 W

DRAINAGE AREA, 1.17 km^2
NATURAL FLOW

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR JUN TO SEP FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	0.170 AT 19:00 MST ON MAY 30	0.144 ON JUN 10	---	535	1966
1967	0.227E ON JUN 19	0.178E ON JUN 18	0.005 ON SEP 25	672	1967
1968	0.215 AT 16:10 MST ON JUN 03	0.104 ON JUN 04	0.013 ON SEP 25	650	1968
1969	0.269 AT 09:00 MST ON JUL 04	0.258 ON JUL 04	0.004 ON SEP 16	607	1969
1970	---	0.244 ON JUN 18	0.003 ON SEP 17	494	1970
1971	0.261 AT 14:00 MST ON JUN 07	0.258 ON JUN 07	0.003 ON SEP 28	512	1971
1972	0.255 AT 12:30 MST ON JUN 11	0.235 ON JUN 11	0.009 ON SEP 07	656	1972
1973	0.286 AT 15:40 MST ON JUN 22	0.249 ON JUN 24	0.004 ON AUG 28	521	1973
1974	0.422 AT 14:40 MST ON JUN 17 *	0.396 ON JUN 17 *	0.009 ON JUN 01	701	1974
1975	0.176 AT 16:00 MST ON JUN 24	0.130 ON JUN 24	---	---	1975
1976	0.178 AT 20:30 MST ON JUL 01	0.167 ON JUL 01	0.014 ON SEP 03	709	1976
1977	0.207 AT 15:30 MST ON JUN 01	0.142 ON JUN 09	0.011 ON JUL 31	419	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	0.157 AT 15:30 MST ON JUN 12	0.156 ON JUN 13	0.016 ON JUL 21	513	1980
1981	0.139 AT 16:15 MST ON JUN 05	0.135 ON JUN 05	0.006 ON SEP 27	727	1981
1982	---	---	---	---	1982
1983	0.149 AT 21:09 MST ON JUN 08	0.144 ON JUN 09	0.002 ON SEP 08 *	458	1983
1984	0.112 AT 18:13 MST ON JUN 15	0.094 ON JUN 15	0.006 ON AUG 15	279	1984
1985	0.161 AT 22:43 MST ON SEP 15	0.158 ON SEP 15	0.007 ON AUG 06	599	1985
1986	0.380 AT 14:20 MST ON MAY 29	0.310 ON JUN 01	0.015 ON SEP 01	541	1986
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		564	MEAN

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.073	0.187	0.150	0.043	0.028	0.016	0.009	0.005	---	1963
1964	0.004	0.003	0.003	0.005	0.055	0.347	0.128	0.023	0.035	0.039	0.015	0.008	0.055	1964
1965	0.005	0.005	0.004	0.010	0.049	0.263	0.175	0.068	0.056	0.075	0.024	0.011	0.062	1965
1966	0.008	0.006	0.006	0.009	0.113	0.191	0.105	0.036	0.019	0.015	0.010	0.006	0.044	1966
1967	0.005	0.003	0.003	0.003	0.064	0.289	0.117	0.032	0.013	0.009	0.007	0.004	0.046	1967
1968	0.004	0.003	0.003	0.004	0.065	0.195	0.106	0.053	0.041	0.034	0.013	0.009	0.044	1968
1969	0.006	0.004	0.003	0.019	0.143	0.189	0.164	0.026	0.014	0.011	0.008	0.005	0.050	1969
1970	0.003	0.002	0.002	0.003	0.060	0.227	0.068	0.019	0.012	0.011	0.007	0.005	0.035	1970
1971	0.003	0.002	0.003	0.006	0.106	0.271	0.083	0.025	0.012	0.011	0.007	0.005	0.045	1971
1972	0.003	0.003	0.003	0.004	0.083	0.295	0.175	0.048	0.027	0.021	0.012	0.007	0.052	1972
1973	0.005	0.004	0.003	0.005	0.093	0.225	0.062	0.026	0.033	0.015	0.011	0.007	0.043	1973
1974	0.005	0.004	0.003	---	---	0.320	0.112	0.043	0.032	0.024	0.012	0.008	---	1974
1975	0.005	---	---	---	0.032	0.175	0.100	0.055	0.029	0.018	0.011	0.007	---	1975
1976	0.006	0.005	0.002	0.008	0.146	0.152	0.105	0.076	0.061	0.026	0.012	0.008	0.051	1976
1977	0.006	0.005	0.004	0.014	0.075	0.091	0.032	0.059	0.049	0.028	0.014	0.009	0.032	1977
1978	---	---	---	0.007	0.066	0.239	0.100	0.044	0.033	0.029	0.015	0.009	---	1978
1979	0.005	0.004	0.003	0.005	0.076	0.148	0.053	0.019	0.014	0.009	0.006	0.004	0.029	1979
1980	0.003	0.003	0.002	0.020	0.131	0.176	0.043	0.041	0.056	0.037	0.012	0.009	0.045	1980
1981	0.007	0.005	0.005	0.010	0.148	0.201	0.164	0.065	0.019	0.011	0.008	0.005	0.054	1981
1982	0.004	0.003	0.002	0.003	0.046	0.243	0.082	0.024	0.022	0.021	0.010	0.007	0.039	1982
1983	0.005	0.004	0.004	0.010	0.065	0.138	0.094	0.025	0.015	0.011	0.008	0.005	0.034	1983
1984	0.004	0.003	0.002	0.006	0.039	0.183	0.066	0.021	0.020	0.028	0.011	0.006	0.032	1984
1985	0.005	0.003	0.003	0.007	0.093	0.115	0.039	0.069	0.089	0.034	0.016	0.009	0.040	1985
1986	0.006	0.004	0.004	0.008	0.111	0.199	0.078	0.046	0.023	0.055	0.025	0.012	0.048	1986
MEAN	0.005	0.004	0.003	0.008	0.085	0.211	0.099	0.041	0.031	0.025	0.012	0.007	0.044	MEAN

LOCATION - LAT 50 57 34 N DRAINAGE AREA, 2.85 km^2
LONG 115 10 16 W NATURAL FLOW

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	0.569 AT 01:00 MST ON JUN 30	0.493 ON JUN 30	---	---	1963
1964	0.634 AT 12:00 MST ON JUN 08	0.600 ON JUN 08	0.002 ON MAR 22	1 750	1964
1965	0.589 AT 04:00 MST ON JUN 18	0.541 ON JUN 18	0.003 ON MAR 17	1 970	1965
1966	0.368 AT 15:00 MST ON MAY 28	0.289 ON MAY 30	0.004E ON MAR 15	1 380	1966
1967	0.425 ON JUN 13	0.357 ON JUN 18	0.003 ON FEB 07	1 440	1967
1968	0.402 AT 18:55 MST ON JUN 02	0.323 ON JUN 03	0.003 ON JAN 15	1 400	1968
1969	0.385 AT 20:10 MST ON JUL 03	0.371 ON JUL 04	0.003 ON MAR 08	1 570	1969
1970	0.445 AT 16:30 MST ON JUN 18	0.428 ON JUN 18	0.002 ON FEB 12	1 100	1970
1971	0.665 AT 06:00 MST ON JUN 06	0.612 ON JUN 06	0.001 ON JAN 28 *	1 400	1971
1972	0.561 AT 16:00 MST ON JUN 01	0.481 ON JUN 01	0.002 ON MAR 04	1 660	1972
1973	0.416 AT 16:30 MST ON JUN 24	0.348 ON JUN 23	0.003 ON FEB 25	1 370	1973
1974	0.787A AT 13:55 MST ON JUN 17 *	0.694A ON JUN 17 *	0.003 ON FEB 18	---	1974
1975	0.314 AT 15:45 MST ON JUN 24	0.255 ON JUN 24	---	---	1975
1976	0.311 AT 15:30 MST ON MAY 27	0.221 ON MAY 27	0.002 ON MAR 09	1 610	1976
1977	0.221 AT 17:00 MST ON JUN 01	0.153 ON JUN 09	0.004 ON FEB 14	1 010	1977
1978	0.521 AT 16:30 MST ON JUN 05	0.405 ON JUN 06	---	---	1978
1979	0.410 AT 16:30 MST ON MAY 26	0.276 ON MAY 26	0.003 ON FEB 19	910	1979
1980	0.303 AT 12:00 MST ON JUN 13	0.295 ON JUN 13	0.002 ON MAR 08	1 410	1980
1981	0.613 AT 15:35 MST ON MAY 26	0.531 ON MAY 26	0.004 ON FEB 15	1 710	1981
1982	0.440 AT 16:58 MST ON JUN 14	0.401 ON JUN 16	0.002 ON MAR 13	1 230	1982
1983	0.292 AT 12:52 MST ON MAY 29	0.247 ON MAY 29	0.003 ON MAR 23	1 070	1983
1984	0.353 AT 18:49 MST ON JUN 15	0.304 ON JUN 16	0.002 ON MAR 03	1 020	1984
1985	0.244 AT 21:22 MST ON MAY 24	0.192 ON MAY 25	0.002 ON MAR 07	1 270	1985
1986	0.709 AT 15:15 MST ON MAY 28	0.534 ON MAY 29	0.003 ON FEB 19	1 500	1986
				1 390	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER CREEK NEAR NANTON - STATION NO. 05AB023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.002	0.002	0	0	0	0	0	0	0	1964
1965	0	0	0	0	0	0.007	0.006	0	0	0	0	0	0.001	1965
1966	0	0	0	0	0.001	0.016	0.003	0.001	0	0	0	0	0.002	1966
1967	0	0	0	0	0.025	0.027	0.003	0	0	0	0	0	0.005	1967
1968	0	0	0	0	0	0	0	0	0	0.001	0.001	0	0	1968
1969	0	0	0	0.009	0.012	0.024	0.022	0.002	0.001	0	0	0	0.006	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.002	0.007	0.013	0.006	0.001	0	0	0	0	0.002	MEAN

LOCATION - LAT 50 06 31 N, LONG 114 03 00 W DRAINAGE AREA, 0.91 km^2 NATURAL FLOW

MIDDLE STREETER CREEK NEAR NANTON - STATION NO. 05AB023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	0.008E ON MAY 01	0.006E ON MAY 01	0 ON JAN 01 *	13.0	1964
1965	0.028 AT 01:00 MST ON JUL 01	0.026 ON JUL 01	0 ON JAN 01	34.3	1965
1966	0.051 AT 02:00 MST ON JUN 07	0.048 ON JUN 06	0 ON JAN 01	51.7	1966
1967	0.096 AT 22:00 MST ON MAY 22	0.091 ON MAY 22	0 ON JAN 01	145	1967
1968	---	0.002 ON OCT 06	0 ON JAN 01	3.02	1968
1969	0.127 AT 06:50 MST ON JUN 27 *	0.122 ON JUN 27 *	0 ON JAN 01	181	1969
1970	---	---	0 ON JAN 08	---	1970
				71.3	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.007	0.005	0.003	0.002	0.001	0.001	0.001	0.001	0.002	1964
1965	0	0	0	0	0.002	0.005	0.008	0.003	0.001	0.002	0.001	0.001	0.002	1965
1966	0.001	0.001	0	0.001	0.003	0.012	0.004	0.002	0.001	0.001	0.001	0.001	0.002	1966
1967	0	0	0	0	0.010	0.016	0.004	0.002	0.001	0.001	0.001	0.001	0.003	1967
1968	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.004	0.003	0.002	0.001	1968
1969	0.001	0.001	0.001	0.007	0.008	0.009	0.015	0.003	0.001	0.001	0.001	0.001	0.004	1969
1970	0	0.001	0.001	0.001	0.003	0.006	0.004	0.002	0.001	0.001	0.001	0	0.002	1970
1971	0	0	0	0.001	0.002	0.003	0.003	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0	0.001	0.008	0.007	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1972
1973	0.001	0.001	0.001	0.001	0.007	0.007	0.002	0.001	0.001	0.001	0	0	0.002	1973
1974	0	0	0	0.001	0.010	0.008	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1974
1975	0	0	0	0	0.009	0.012	0.005	0.002	0.001	0.001	0.001	0.001	0.003	1975
1976	0.001	0.001	0	0.002	0.003	0.003	0.002	0.003	0.002	0.001	0.001	0.001	0.002	1976
1977	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0	0	---	---	---	1977
MEAN	0	0	0	0.001	0.005	0.007	0.004	0.002	0.001	0.001	0.001	0.001	0.002	MEAN

LOCATION - LAT 50 06 32 N, LONG 114 03 04 W NATURAL FLOW

MIDDLE STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.010E ON MAY 11	0 ON JAN 01 *	52.1	1964
1965	---	0.013E ON JUN 30	0E ON JAN 01	61.5	1965
1966	---	0.026 ON JUN 08	0 ON MAR 01	73.9	1966
1967	---	0.026 ON MAY 24	0 ON JAN 05	97.1	1967
1968	---	0.004 ON OCT 03	0E ON JAN 01	45.3	1968
1969	0.042 AT 00:00 MST ON JUL 01 *	0.040 ON JUN 29 *	0 ON DEC 30	128	1969
1970	---	0.009 ON JUN 22	0 ON JAN 01	52.9	1970
1971	0.005 AT 22:00 MST ON JUN 21	0.004 ON JUN 14	0 ON JAN 01	35.7	1971
1972	0.016 AT 20:00 MST ON JUN 01	0.016 ON MAY 31	0 ON JAN 01	64.4	1972
1973	0.014 AT 00:00 MST ON JUN 01	0.014 ON JUN 01	0 ON NOV 03	62.3	1973
1974	0.028 AT 15:40 MST ON MAY 25	0.028 ON MAY 24	0 ON JAN 01	74.5	1974
1975	0.024 AT 10:30 MST ON JUN 24	0.024 ON JUN 24	0 ON JAN 01	86.5	1975
1976	0.004 AT 00:30 MST ON AUG 23	0.004 ON MAY 23	0 ON FEB 08	49.7	1976
1977	0.001 AT 16:00 MST ON JUN 15	0.001E ON JAN 01	0 ON FEB 08	---	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		67.8	MEAN

MIDDLE STREETER SPRING NO. 2 NEAR NANTON - STATION NO. 05AB035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.002	0.001	0.001	0.003	0.002	0.001	---	1968
1969	0.001	0.001	0.001	0.004	0.005	0.004	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0	0.001	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.003	0.002	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0.001	0.001	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1972
1973	0	0.001	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1973
1974	0	0	0	0.001	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1974
1975	0	0	0	0	0.005	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1975
1976	---	---	---	0.001	0.003	0.002	0.001	0.003	0.002	0.001	0.001	0.001	---	1976
1977	0.001	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0	0.001	1978
1979	0	0	0	0	0.004	0.002	0.001	0.001	0	0	0	0	0.001	1979
1980	0	0	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0	1980
1981	0	0	0	0	0.003	0.004	0.003	0.002	0.001	0	0	0	0.001	1981
1982	0	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	0.001	1982
1983	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	0	0.001	1983
MEAN	0	0	0	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 06 18 N
LONG 114 03 12 W NATURAL FLOW

MIDDLE STREETER SPRING NO. 2 NEAR NANTON - STATION NO. 05AB035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.008 ON JUN 26 *	0 ON DEC 12 *	70.1	1969
1970	---	0.006 ON JUN 19	0E ON JAN 01	47.1	1970
1971	0.005 AT 01:00 MST ON JUN 12	0.005 ON JUN 11	0 ON FEB 21	30.4	1971
1972	0.007 AT 10:00 MST ON MAY 28 *	0.007 ON MAY 28	0E ON JAN 01	46.0	1972
1973	0.006 AT 07:10 MST ON MAY 30	0.006 ON MAY 30	0 ON JAN 15	44.0	1973
1974	0.007 AT 08:30 MST ON MAY 25	0.007 ON MAY 23	0E ON JAN 01	43.3	1974
1975	0.007 AT 22:00 MST ON JUN 23	0.007 ON MAY 12	0 ON JAN 01	47.7	1975
1976	0.004 AT 23:00 MST ON AUG 15	0.004 ON AUG 13	---	---	1976
1977	0.001 AT 15:30 MST ON JUN 15	0.001E ON JAN 01	0E ON JAN 23	12.6	1977
1978	0.007 AT 17:40 MST ON MAY 31	0.007 ON MAY 31	0E ON JAN 01	42.4	1978
1979	0.005 AT 13:00 MST ON MAY 17	0.005 ON MAY 13	0 ON JAN 01	24.9	1979
1980	0.002 AT 06:00 MST ON JUN 14	0.002 ON JUN 03	0 ON JAN 01	14.7	1980
1981	0.007 AT 14:25 MST ON MAY 20	0.007 ON MAY 20	0 ON JAN 01	35.0	1981
1982	0.003 AT 13:21 MST ON JUL 07	0.003 ON JUN 12	0E ON JAN 01	19.2	1982
1983	0.003 AT 22:52 MST ON JUN 01	0.003 ON MAY 29	0 ON JAN 01	17.9	1983
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		35.3	MEAN

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	43.6	34.1	11.3	8.90	6.70	3.44	1.11	---	1914
1915	0.876	0.686	0.882	4.03	19.5	28.4	23.9	14.4	5.87	4.35	2.81	1.26	8.97	1915
1916	0.543	0.757	0.948	3.66	11.3	44.3	39.8	20.1	12.2	7.86	3.35	1.51	12.2	1916
1917	0.966	1.13	0.540	1.53	14.6	36.9	31.4	10.5	7.22	11.2	5.33	3.74	10.5	1917
1918	1.74	1.48	1.24	4.20	14.5	50.2	39.5	14.2	7.67	5.09	4.66	1.64	12.0	1918
1919	1.02	0.642	0.867	2.72	16.7	34.9	37.3	15.7	9.27	3.39	2.03	0.776	10.5	1919
1920	0.731	0.668	0.508	0.639	8.17	38.7	61.8	26.8	14.1	9.59	3.05	1.88	14.0	1920
1921	1.74	1.24	0.924	---	---	---	---	---	---	---	---	---	---	1921
1973	---	---	---	---	---	---	23.8	11.9	5.44	6.10	---	---	---	1973
1974	---	---	---	2.07	10.5	55.1	39.2	14.7	9.54	7.07	---	---	---	1974
1975	---	---	---	---	10.1	33.3	28.7	14.8	7.31	4.85	5.49	2.19	---	1975
1976	1.38	1.17	1.11	2.21	23.6	34.9	39.5	26.6	13.3	6.33	2.13	1.65	12.9	1976
1977	1.14	0.883	0.609	2.14	13.9	38.4	30.4	14.9	12.8	5.39	2.35	1.36	10.4	1977
1978	0.847	0.491	0.827	1.72	12.2	47.5	31.7	13.6	25.4	10.1	3.41	2.03	12.5	1978
1979	0.512	0.706	0.623	1.12	10.9	43.4	28.9	10.3	5.67	3.45	0.963	1.02	8.99	1979
1980	0.554	0.511	0.518	4.12	23.8	32.9	16.6	11.1	9.67	6.47	3.21	3.41	9.43	1980
1981	2.01	0.846	0.883	1.40	23.9	55.8	24.6	11.7	7.37	3.13	1.93	1.60	8.02	1981
1982	0.893	0.732	0.652	0.849	9.90	54.8	34.8	14.9	11.9	6.29	2.01	1.58	11.6	1982
1983	1.19	0.837	0.884	1.55	15.4	27.2	19.1	8.58	6.97	3.86	3.72	1.34	7.58	1983
1984	0.955	0.878	0.840	1.67	5.16	44.8	30.6	12.0	16.7	7.34	2.20	1.29	10.4	1984
1985	0.991	0.855	0.748	1.37	23.6	32.3	19.9	8.59	8.12	4.06	1.99	1.05	8.67	1985
1986	0.715	0.623	0.741	1.19	20.7	52.6	27.7	10.5	6.04	4.21	2.08	1.26	10.7	1986
1987	0.910	0.557	0.946	2.07	26.7	40.2	15.5	17.5	6.49	3.27	2.16	1.15	9.82	1987
1988	0.747	0.792	0.747	4.26	21.2	33.5	15.2	12.2	5.91	4.23	2.78	1.44	8.60	1988
1989	1.10	0.886	0.841	1.60	16.5	46.6	23.9	17.2	7.49	5.83	3.48	2.16	10.7	1989
1990	1.64	1.26	1.02	3.73	21.9	53.1	33.1	12.5	7.25	5.00	3.61	2.19	12.2	1990
MEAN	1.05	0.847	0.804	2.27	16.3	40.5	30.0	14.3	9.54	5.81	2.88	1.68	10.5	MEAN

LOCATION - LAT 52 51 50 N DRAINAGE AREA, 630 km²
LONG 118 06 21 W NATURAL FLOW

MIETTE RIVER NEAR JASPER - STATION NO. 07AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	67.4 ON JUN 17	---	---	1914
1915	---	85.0 ON JUN 26	0.227B ON MAR 21	283 000	1915
1916	---	88.6 ON JUN 20	0.113B ON JAN 29 *	386 000	1916
1917	---	66.3 ON JUN 17	0.422B ON MAR 05	330 000	1917
1918	---	88.9 ON JUN 11	0.850B ON FEB 16	377 000	1918
1919	---	70.8 ON JUN 22	0.459B ON MAR 12	331 000	1919
1920	---	94.6 ON JUL 02	0.170B ON MAR 30	441 000	1920
1921	---	---	---	---	1921
1973	91.7 AT 23:00 MST ON JUN 24	87.2 ON JUN 24	---	---	1973
1974	121 AT 03:00 MST ON JUN 23	114 ON JUN 23	---	---	1974
1975	52.4 AT 01:00 MST ON JUL 05	46.2 ON JUN 25	---	---	1975
1976	72.8 AT 24:00 MST ON JUN 19	67.4 ON JUN 20	0.538B ON APR 05	408 000	1976
1977	80.7 AT 01:00 MST ON JUN 08	73.1 ON JUN 08	0.569B ON MAR 21	328 000	1977
1978	87.8 AT 23:00 MST ON JUN 05	81.8 ON JUN 06	0.462B ON FEB 14	394 000	1978
1979	83.9 AT 23:30 MST ON JUN 04	80.3 ON JUN 05	0.400B ON JAN 15	284 000	1979
1980	49.4 AT 22:05 MST ON JUN 04	47.0 ON JUN 17	0.400B ON JAN 30	298 000	1980
1981	69.3 AT 23:45 MST ON MAY 26	66.8 ON MAY 26	0.705B ON FEB 12	270 000	1981
1982	86.3 AT 01:55 MST ON JUN 15	82.9 ON JUN 15	0.580B ON MAR 30	367 000	1982
1983	68.7 AT 00:50 MST ON MAY 31	59.3 ON MAY 31	0.750B ON DEC 28	239 000	1983
1984	123 AT 20:40 MST ON JUN 29 *	116 ON JUN 29 *	0.650B ON MAR 01	328 000	1984
1985	79.4 AT 02:55 MST ON MAY 25	71.7 ON MAY 25	0.604B ON MAR 28	273 000	1985
1986	116 AT 02:15 MST ON MAY 31	110 ON MAY 31	0.536B ON FEB 19	338 000	1986
1987	77.2 AT 23:15 MST ON JUN 13	73.0 ON JUN 13	0.320B ON FEB 23	310 000	1987
1988	68.0 AT 04:36 MST ON JUN 08	64.6 ON JUN 08	0.423B ON JAN 10	272 000	1988
1989	74.2 AT 01:56 MST ON JUN 06	68.7 ON JUN 06	0.593B ON MAR 29	337 000	1989
1990	84.2 AT 01:07 MST ON JUN 24	80.9 ON MAY 31	0.720B ON MAR 22	386 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		333 000	MEAN

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.08	2.08	---	---	---	1909
1910	---	---	---	---	5.24	3.06	0.764	0.130	1.24	1.20	---	---	---	1910
1911	---	---	---	8.07	10.3	6.85	6.51	3.30	12.0	5.74	---	---	---	1911
1912	---	---	---	19.4	9.02	3.85	3.17	1.69	1.71	2.21	---	---	---	1912
1913	---	---	---	26.7	13.5	8.89	5.92	2.41	0.893	1.86	2.28	---	---	1913
1914	---	---	---	14.2	4.48	2.91	0.736	0.207	0.654	4.74	1.84	0.573	---	1914
1915	---	---	---	8.52	6.35	15.6	9.09	5.77	5.55	5.47	3.25	1.19	---	1915
1916	---	---	20.7	10.9	12.4	21.7	19.2	7.43	7.47	6.00	3.84	2.05	13.2	1916
1917	---	---	---	45.1	26.9	16.3	7.85	8.26	6.28	4.17	3.31	---	---	1917
1918	---	---	---	10.1	7.28	7.79	10.6	8.51	2.79	1.22	0.943	---	---	1918
1919	---	---	---	6.52	12.0	11.7	9.46	9.60	6.20	1.83	---	---	---	1919
1920	---	---	---	26.7	36.5	14.7	15.0	11.5	1.39	0.916	---	---	---	1920
1921	---	---	---	10.3	9.43	12.0	9.90	5.01	0.615	0.442	---	---	---	1921
1922	---	---	2.34	14.8	14.2	10.7	12.5	8.07	5.60	1.78	---	---	8.70	1922
1923	---	---	5.94	9.25	11.1	23.4	14.0	9.17	4.22	0.946	---	---	9.35	1923
1924	---	---	2.27	10.1	8.78	20.2	12.6	15.1	5.50	1.01	---	---	9.40	1924
1925	---	---	---	22.5	19.8	19.5	14.4	12.6	9.31	8.74	---	---	---	1925
1926	---	---	---	4.26	11.7	14.2	14.1	5.12	5.04	1.23	---	---	---	1926
1927	---	---	---	29.1	55.0	43.4	19.7	25.1	10.9	7.26	---	---	---	1927
1928	---	---	---	17.3	12.4	23.4	27.7	13.6	7.55	3.90	---	---	---	1928
1929	---	---	12.5	19.4	18.9	25.4	13.7	11.9	8.86	4.84	---	---	14.4	1929
1930	---	---	12.5	17.0	11.3	9.84	14.9	13.0	7.88	1.53	---	---	11.0	1930
1931	---	---	---	3.15	11.3	13.9	15.3	15.6	6.26	1.02	---	---	---	1931
1932	---	---	7.54	12.3	20.1	22.7	17.0	16.1	8.04	1.11	---	---	13.1	1932
1933	---	---	7.52	18.1	22.2	17.8	16.1	15.6	9.68	1.27	---	---	13.8	1933
1934	---	---	10.4	10.8	23.6	26.9	20.8	18.0	4.57	1.71	1.99	1.19	14.6	1934
1935	1.81	12.9	5.72	16.6	16.9	17.6	20.1	16.4	9.35	1.10	---	---	12.9	1935
1936	---	---	9.62	14.2	11.7	20.1	19.0	16.0	2.48	1.42	0.807	0.247	11.8	1936
1937	0.019	0.003	1.95	16.6	20.3	19.4	18.3	18.9	7.56	2.09	0.595	0.294	13.1	1937
1938	0.121	0.455	12.9	12.3	23.6	20.2	22.0	18.6	8.57	1.45	---	---	15.0	1938
1939	---	---	5.92	4.72	17.1	21.2	19.0	14.3	1.99	0.373	---	---	10.6	1939
1940	---	---	8.77	7.74	12.1	16.9	19.0	11.5	1.37	0.802	---	---	9.78	1940
1941	---	---	2.90	2.89	13.4	17.4	17.4	5.32	3.12	0.915	---	---	8.44	1941
1942	---	---	2.34	18.6	24.3	18.2	18.7	15.3	13.8	3.73	---	---	14.5	1942
1943	---	---	10.0	17.5	8.97	18.7	16.3	15.3	14.9	5.37	---	---	13.3	1943
1944	---	---	1.52	4.44	13.7	14.5	10.0	11.1	2.55	0.412	---	---	7.29	1944
1945	---	---	6.29	2.27	17.0	21.8	17.0	14.8	15.3	4.25	---	---	12.3	1945
1946	---	---	5.30	10.3	17.6	20.3	17.2	14.7	16.6	4.62	---	---	13.2	1946
1947	---	---	33.6	19.6	13.4	18.2	17.1	17.1	16.0	3.79	---	---	17.3	1947
1948	---	---	4.69	31.7	20.0	36.3	20.4	19.0	15.2	4.30	---	---	18.8	1948
1949	---	---	3.82	11.3	17.9	17.7	15.7	14.2	11.7	1.99	---	---	11.8	1949
1950	---	---	3.83	18.1	16.4	20.1	19.5	15.5	14.7	15.6	---	---	15.4	1950
1951	---	---	15.0	28.4	21.3	26.7	29.6	22.9	17.0	8.17	---	---	21.1	1951
1952	---	---	27.2	40.6	11.2	5.67	13.8	16.7	16.4	7.96	---	---	17.7	1952
1953	---	---	4.64	23.1	38.2	65.9	14.6	15.9	15.8	6.07	---	---	22.3	1953
1954	---	---	4.59	21.0	22.1	20.4	17.7	10.2	8.88	3.31	---	---	14.5	1954
1955	---	---	2.58	22.9	24.9	16.7	26.6	16.2	11.9	2.31	---	---	15.5	1955
1956	---	---	8.65	14.9	24.1	22.1	22.7	19.1	16.3	11.4	---	---	17.4	1956
1957	---	---	12.3	12.1	28.4	23.0	15.4	15.6	13.0	3.39	---	---	15.4	1957
1958	---	---	5.73	32.2	18.4	22.7	19.4	17.1	11.7	1.67	---	---	16.0	1958
1959	---	---	19.7	21.6	29.2	23.7	17.9	17.4	18.7	9.36	---	---	19.7	1959
1960	---	---	21.3	9.27	23.6	19.7	17.1	17.5	14.0	1.15	---	---	15.5	1960
1961	---	---	3.49	12.7	16.4	20.1	17.2	16.7	14.6	3.57	---	---	13.1	1961
1962	---	---	8.35	19.8	21.6	19.9	17.9	16.1	3.90	0.660	---	---	13.5	1962
1963	---	5.60	3.10	13.7	17.9	21.5	20.0	18.0	14.9	0.783	---	---	12.7	1963
1964	---	---	1.25	14.9	33.7	31.0	12.0	19.5	20.1	3.13	---	---	16.9	1964
1965	---	---	9.12	47.9	13.3	37.4	20.2	19.7	17.7	3.58	---	---	20.9	1965
1966	---	---	13.7	11.3	18.2	31.1	20.8	19.9	17.5	3.24	---	---	16.9	1966
1967	---	---	18.0	19.7	49.6	22.2	20.6	19.3	18.4	3.13	---	---	21.5	1967
1968	---	---	11.4	14.5	26.5	29.9	21.7	21.0	20.5	6.26	---	---	18.4	1968
1969	---	---	26.5	34.4	14.3	27.1	26.5	19.0	12.3	2.12	---	---	20.2	1969
1970	---	---	7.36	12.1	20.0	25.0	18.7	18.5	13.5	1.75	---	---	14.6	1970
1971	---	---	6.10	15.2	17.6	11.5	20.7	18.8	19.8	8.46	---	---	14.8	1971
1972	---	---	33.5	14.3	26.1	24.3	22.5	21.5	21.0	11.0	---	---	21.8	1972
1973	---	---	5.60	5.01	13.1	19.4	17.8	16.7	2.26	0.446	---	---	10.0	1973
1974	---	---	7.37	20.6	28.9	20.2	21.0	19.0	16.9	2.07	---	---	17.0	1974
1975	---	---	0.463	19.0	47.0	36.2	15.8	21.9	19.6	5.15	---	---	20.6	1975
1976	---	---	11.7	11.0	22.8	24.7	22.6	21.6	17.1	5.66	---	---	17.1	1976
1977	---	---	3.12	4.41	12.4	18.3	7.41	5.23	3.22	1.02	---	---	6.87	1977
1978	---	---	43.1	16.0	12.3	15.1	20.1	20.4	15.4	2.82	---	---	18.4	1978
1979	---	---	41.8	21.6	21.2	20.8	17.9	17.4	7.91	1.03	---	---	18.7	1979
1980	---	---	7.28	20.6	20.9	24.9	19.2	18.2	11.1	1.60	---	---	15.4	1980
1981	---	---	13.6	15.1	22.3	27.2	21.2	17.1	16.3	3.47	---	---	17.9	1981
1982	---	---	8.65	25.8	42.6	24.8	19.3	2.19	0.687	1.25	---	---	13.1	1982
1983	---	---	7.85	14.1	10.6	17.4	19.3	17.1	3.91	0.485	---	---	11.3	1983
1984	---	---	8.03	8.68	8.03	16.9	16.1	15.1	1.15	0.356	---	---	9.28	1984
1985	---	---	3.96	17.9	21.1	21.2	11.9	16.6	17.7	4.40	---	---	14.3	1985
1986	---	---	10.9	8.95	15.1	11.5	15.8	15.5	9.09	2.14	---	---	10.9	1986
1987	---	---	9.66	14.2	11.8	15.5	13.7	15.6	8.79	1.26	---	---	11.3	1987
1988	---	---	6.33	19.9	16.5	17.8	14.0	5.34	0.377	0.141	---	---	10.0	1988
1989	---	---	14.1	20.5	23.3	29.5	21.5	16.0	17.9	16.0	---	---	19.8	1989
1990	---	---	9.25	13.3	28.2	21.5	17.3	16.2	15.2	9.38	---	---	16.3	1990
MEAN	0.650	4.74	10.4	16.5	19.0	20.3	16.5	14.4	10.0	3.50	2.10	0.924	14.7	MEAN

LOCATION - LAT 48 59 03 N LONG 110 28 10 W

DRAINAGE AREA, 6 490 km²

REGULATED SINCE 1917

INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971 AND 1986

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	47.0 ON JUN 27	47.0 ON JUN 27	---	---	1911
1912	---	56.9 ON APR 06	---	---	1912
1913	---	52.7 ON APR 14	---	---	1913
1914	---	30.3 ON APR 09	D ON AUG 03 *	---	1914
1915	---	49.6B ON MAR 24	---	---	1915
1916	---	99.1E ON JUL 03	3.40 ON SEP 29	280 000	1916
1917	---	138 ON APR 09	---	---	1917
1918	---	---	---	---	1918
1919	22.3 AT 22:00 MST ON MAY 12	18.8 ON MAY 13	---	---	1919
1920	112 AT 01:30 MST ON APR 22	96.3 ON MAY 10	---	---	1920
1921	50.1 AT 23:00 MST ON APR 04	32.8 ON APR 04	---	---	1921
1922	54.1 ON JUL 08	49.8A ON APR 24	0 B ON MAR 01	184 000	1922
1923	116 AT 13:15 MST ON JUN 21	66.8 ON JUN 21	0 B ON MAR 01	198 000	1923
1924	51.0 ON JUN 09	49.3 ON JUN 10	0.793 ON OCT 29	199 000	1924
1925	---	56.6B ON MAR 24	---	---	1925
1926	23.1 AT 02:00 MST ON JUN 23	21.2 ON JUN 23	---	---	1926
1927	238 AT 16:40 MST ON MAY 23	211 ON MAY 23 *	---	---	1927
1928	153 B AT 03:00 MST ON MAR 24	134 B ON MAR 23	---	---	1928
1929	72.5 AT 21:00 MST ON JUN 03	67.1 ON JUN 04	0.850B ON MAR 01	305 000	1929
1930	85.0 AT 06:00 MST ON MAR 31	77.9 ON MAR 31	0.830B ON OCT 17	232 000	1930
1931	31.1 AT 21:00 MST ON JUL 31	25.3 ON JUL 31	---	---	1931
1932	83.3A AT 11:00 MST ON JUN 16	53.5A ON JUN 17	0.957 ON OCT 18	277 000	1932
1933	51.5 AT 11:00 MST ON APR 25	43.0 ON APR 25	0 B ON MAR 01	292 000	1933
1934	64.3 AT 14:45 MST ON JUN 10	62.3 ON JUN 10	0.779 ON OCT 15	309 000	1934
1935	95.7 AT 23:00 MST ON APR 18	68.2 ON APR 19	0.198B ON OCT 30	274 000	1935
1936	80.7 AT 00:00 MST ON APR 13	66.0 ON APR 13	0.566B ON APR 01	250 000	1936
1937	100 AT 01:40 MST ON JUN 15	77.9 ON JUN 15	0.003B ON MAR 01	278 000	1937
1938	54.1 AT 02:00 MST ON APR 12	43.9 ON APR 12	0.691 ON OCT 01	317 000	1938
1939	60.6B AT 02:00 MST ON MAR 19	40.2 ON JUN 24	0.057B ON MAR 06	224 000	1939
1940	39.9B AT 18:00 MST ON MAR 05	24.5B ON MAR 06	0 B ON MAR 01	207 000	1940
1941	51.5A ON JUN 29	41.3A ON JUN 29	0.283B ON MAR 01	179 000	1941
1942	57.2 AT 21:00 MST ON APR 04	48.1 ON JUN 08	0.142B ON MAR 01	306 000	1942
1943	93.7B AT 18:00 MST ON MAR 30	53.2 ON MAR 31	0.708B ON MAR 17	283 000	1943
1944	20.0 AT 10:00 MST ON AUG 08	18.1 ON AUG 09	0.113B ON MAR 01	154 000	1944
1945	32.0 AT 17:00 MST ON JUN 09	30.9 ON JUN 09	0 ON MAR 01	261 000	1945
1946	49.3 AT 19:00 MST ON JUN 05	29.7 ON JUN 24	1.56 ON OCT 24	279 000	1946
1947	246 B AT 02:30 MST ON MAR 23	187 B ON MAR 22	0.425B ON MAR 12	367 000	1947
1948	151 AT 02:00 MST ON JUN 20	132 ON APR 19	0.142B ON MAR 01	398 000	1948
1949	31.4 AT 01:30 MST ON MAY 23	29.4 ON MAY 23	0.057B ON MAR 01	249 000	1949
1950	53.2 AT 06:00 MST ON APR 19	45.9 ON APR 19	0.850B ON MAR 08	327 000	1950
1951	159 AT 06:00 MST ON JUN 27	124 ON JUN 27	0 B ON MAR 15	447 000	1951
1952	270 AT 02:00 MST ON MAR 31	206 ON MAR 29	2.10 ON OCT 31	374 000	1952
1953	214 AT 03:00 MST ON JUN 06	199 ON JUN 05	0.850B ON MAR 01	471 000	1953
1954	---	47.9B ON APR 07	2.69 ON OCT 26	307 000	1954
1955	134 AT 05:30 MST ON JUL 12	77.6 ON JUL 12	0 B ON MAR 01	328 000	1955
1956	63.1 AT 13:00 MST ON JUL 06	56.1 ON JUL 06	0 B ON MAR 01	368 000	1956
1957	39.1 AT 21:00 MST ON MAY 10	36.8 ON MAY 11	2.29 ON OCT 17	326 000	1957
1958	102 AT 05:00 MST ON APR 02	93.7 ON APR 02	0.425B ON MAR 02	339 000	1958
1959	50.1B AT 13:00 MST ON MAR 25	39.1 ON MAY 22	2.55 ON OCT 29	417 000	1959
1960	115 B AT 03:00 MST ON MAR 22	83.0B ON MAR 22	0.566E ON MAR 02	327 000	1960
1961	30.6 AT 12:00 MST ON MAY 20	28.6 ON MAY 20	1.42 B ON MAR 06	277 000	1961
1962	41.9B AT 06:00 MST ON MAR 23	32.8B ON MAR 23	0.085B ON MAR 13	286 000	1962
1963	45.9 AT 23:00 MST ON JUN 28	29.2 ON JUL 04	0.340A ON OCT 28	290 000	1963
1964	220 AT 07:00 MST ON JUN 11	164 ON JUN 11	0.623B ON MAR 10	357 000	1964
1965	303 AT 06:30 MST ON APR 09 *	189 ON APR 09	2.52 ON OCT 30	443 000	1965
1966	84.1 AT 21:00 MST ON JUN 06	62.3 ON JUN 07	0 ON MAR 01	359 000	1966
1967	195 B AT 18:45 MST ON MAR 24	150 ON MAY 10	1.78 ON OCT 18	455 000	1967
1968	85.0B AT 06:00 MST ON MAR 06	44.7 ON JUN 10	3.65 ON OCT 31	390 000	1968
1969	120 A AT 06:00 MST ON APR 13	112 ON APR 03	0.708B ON MAR 06	428 000	1969
1970	81.8 AT 23:00 MDT ON JUN 16	59.2 ON JUN 16	0.963 ON OCT 29	309 000	1970
1971	---	33.1 ON MAY 21	1.70 ON OCT 29	313 000	1971
1972	142 B AT 07:30 MST ON MAR 19	130 B ON MAR 19	0.006B ON MAR 01	461 000	1972
1973	34.5 AT 17:15 MST ON JUN 15	27.9 ON JUN 15	0.396A ON OCT 12	213 000	1973
1974	52.4 AT 08:45 MST ON MAY 21	46.4 ON MAY 03	1.10 ON OCT 30	359 000	1974
1975	238 AT 04:00 MST ON JUN 23	184 ON JUN 22	0 B ON MAR 01	436 000	1975
1976	59.2B AT 13:00 MST ON MAR 21	46.2B ON MAR 21	1.25 E ON OCT 31	363 000	1976
1977	22.5 AT 15:30 MST ON MAY 15	21.3 ON MAY 29	0.623 ON OCT 31	145 000	1977
1978	204 B AT 09:00 MST ON MAR 27	193 B ON MAR 27	0.113B ON MAR 01	385 000	1978
1979	175 B AT 16:00 MST ON MAR 08	158 B ON MAR 08	0.142B ON MAR 01	396 000	1979
1980	59.2 AT 05:00 MDT ON MAY 29	53.0 ON MAY 29	0.991 ON OCT 10	327 000	1980
1981	60.6 AT 15:00 MDT ON MAY 18	49.0 ON MAY 19	1.90 E ON OCT 31	380 000	1981
1982	148 AT 05:00 MST ON APR 14	115 ON APR 14	0.283 ON SEP 12	277 000	1982
1983	30.3 AT 19:00 MDT ON JUL 10	28.6 ON JUL 10	0.340 ON OCT 28	240 000	1983
1984	35.4 AT 18:30 MST ON AUG 02	23.0 ON AUG 04	0.227B ON OCT 31	197 000	1984
1985	52.4 AT 10:00 MST ON MAY 30	33.7 ON JUN 02	0.283B ON MAR 06	303 000	1985
1986	283 ON FEB 27	40.8 ON MAR 01	1.27 E ON OCT 31	230 000	1986
1987	44.5 AT 21:30 MST ON APR 06	39.1 ON APR 07	1.22 ON OCT 04	239 000	1987
1988	39.6 AT 17:30 MST ON MAR 29	26.4 ON APR 11	0.099E ON OCT 12	212 000	1988
1989	113 AT 07:00 MST ON MAR 26	70.6B ON MAR 26	0 B ON MAR 01	419 000	1989
1990	90.3 AT 02:45 MDT ON MAY 25	53.8 ON MAY 25	1.98 B ON MAR 14	345 000	1990
				310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	2.31	1.06	0.980	---	---	---	1909
1910	---	---	---	3.91	3.44	2.02	0.425	0.125	0.872	0.846	---	---	---	1910
1911	---	---	---	---	7.79	7.19	2.54	1.52	4.00	2.10	---	---	---	1911
1912	---	---	---	---	5.91	2.23	1.80	1.01	0.928	1.21	---	---	---	1912
1913	---	---	---	---	9.39	6.11	2.84	1.48	0.520	1.76	---	---	---	1913
1914	---	---	---	---	---	1.70	0.424	0.291	0.324	1.97	---	---	---	1914
1915	---	---	---	2.26	3.69	7.05	3.93	1.73	3.68	2.64	---	---	---	1915
MEAN	---	---	---	3.09	6.04	4.38	1.99	1.21	1.63	1.64	---	---	---	MEAN

LOCATION - LAT 49 05 00 N DRAINAGE AREA, 1 190 km²
LONG 112 24 00 W NATURAL FLOW

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	6.85 ON MAY 18	---	---	1910
1911	---	27.8 ON JUN 25 *	---	---	1911
1912	---	18.9 ON MAY 22	---	---	1912
1913	---	15.7 ON APR 18	---	---	1913
1914	---	---	0 ON AUG 05 *	---	1914
1915	---	24.3 ON JUN 26	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	16.6	8.47	3.65	2.22	2.03	---	---	---	1909
1910	---	---	---	5.77	4.93	2.82	0.864	0.592	1.56	1.53	---	---	---	1910
1911	---	---	---	8.72	11.2	10.1	3.64	2.58	7.15	3.38	3.56	2.23	---	1911
1912	1.07	2.19	6.62	15.6	8.49	7.98	3.57	1.76	1.83	2.30	2.55	0.374	4.09	1912
1913	0.203	0.242	0.198	21.1	11.7	5.24	3.35	2.08	1.16	2.46	1.70	1.28	4.39	1913
1914	0.712	0.274	2.61	8.98	4.26	2.02	0.713	0.618	0.794	3.76	2.26	0.793	2.32	1914
1915	0.740	0.767	7.16	4.93	5.10	12.2	7.44	4.26	6.36	5.45	3.46	1.77	4.99	1915
1916	0.691	15.6	13.6	9.41	13.8	18.3	10.0	6.39	6.16	6.13	4.29	2.67	8.87	1916
1917	1.71	1.79	2.32	39.2	23.9	15.2	10.1	10.2	6.09	2.69	3.10	1.84	9.84	1917
1918	6.28	2.00	6.11	8.38	6.68	9.40	12.5	8.03	2.49	1.72	0.941	0.641	5.41	1918
1919	0.626	0.687	1.86	5.85	14.2	11.7	10.3	10.4	5.44	2.89	0.690	0.554	5.44	1919
1920	0.741	0.811	5.49	23.7	25.1	15.2	12.9	10.5	1.16	0.917	0.956	0.527	8.18	1920
1921	0.479	0.988	2.49	10.6	9.03	12.5	9.69	4.29	0.609	0.637	0.435	0.182	4.34	1921
1922	0.045	0	0.097	15.4	12.6	10.6	11.8	9.06	5.86	1.44	0.699	0.058	5.66	1922
1923	0	0	0.994	6.51	10.9	19.4	12.5	9.49	3.17	0.946	0.580	0.309	5.39	1923
1924	0.137	0.877	1.16	9.76	10.1	19.9	13.2	16.1	4.52	0.973	0.917	0.704	6.53	1924
1925	0.129	0.232	5.11	18.6	19.5	18.5	15.1	14.6	11.2	7.57	2.34	2.25	9.63	1925
1926	1.28	1.59	2.09	4.80	12.5	13.3	13.0	3.27	4.17	0.965	0.618	0.169	4.83	1926
1927	0.068	0.058	5.24	20.8	27.8	26.0	19.4	12.0	9.41	6.08	4.02	1.96	11.7	1927
1928	7.58	3.29	18.3	14.6	10.3	22.6	23.2	16.3	5.47	4.55	3.38	1.69	11.0	1928
1929	1.23	1.04	11.7	15.9	12.6	21.3	16.1	13.3	9.04	4.67	2.04	1.33	9.23	1929
1930	0.947	10.5	9.99	14.6	10.1	12.4	15.0	12.7	6.74	1.58	1.34	1.51	8.09	1930
1931	1.08	1.19	3.10	2.80	10.9	13.9	14.7	14.1	4.20	1.77	1.47	0.451	5.85	1931
1932	0.549	3.11	7.04	10.7	20.0	17.1	17.3	17.5	6.67	1.24	1.03	0.333	8.58	1932
1933	0.282	0.587	5.18	12.2	20.7	18.3	18.7	18.1	8.80	2.82	2.40	0.635	9.11	1933
1934	1.67	7.45	6.53	12.0	23.9	22.9	21.4	18.5	2.46	1.46	1.46	0.978	10.1	1934
1935	2.20	4.62	2.76	13.5	16.0	18.8	20.7	16.6	8.86	0.750	0.296	0.547	8.82	1935
1936	0.249	0.061	3.11	10.7	13.8	21.4	20.4	14.3	2.47	1.37	0.907	0.096	7.43	1936
1937	0.028	0.028	0.652	11.9	20.6	16.4	19.3	19.4	5.82	1.15	0.645	0.331	8.08	1937
1938	0.524	0.304	6.04	9.06	19.1	19.5	21.7	19.4	5.87	2.01	2.89	0.568	8.98	1938
1939	0.335	0.200	2.91	6.04	18.3	21.1	20.2	13.8	1.10	0.637	5.30	0.399	7.58	1939
1940	0.094	0.040	1.80	3.86	12.2	17.4	18.6	10.9	0.590	0.361	5.16	0.605	5.99	1940
1941	0.394	0.481	2.11	3.46	14.6	16.0	17.9	8.12	2.66	0.626	0.617	0.844	5.70	1941
1942	0.174	0.633	1.23	18.1	23.0	14.5	19.1	17.4	14.6	1.97	0.827	0.944	9.46	1942
1943	0.249	0.546	8.31	15.4	8.58	20.4	17.4	15.6	15.6	3.85	2.00	0.665	9.07	1943
1944	0.363	0.562	1.29	4.66	14.7	13.8	11.6	9.54	2.15	0.344	0.489	0.381	5.01	1944
1945	0.154	0.315	1.71	2.68	18.5	21.8	17.1	16.0	15.8	3.23	0.652	0.636	8.26	1945
1946	0.360	0.663	3.35	12.4	18.4	19.8	17.4	15.7	16.1	1.98	0.751	0.528	8.99	1946
1947	0.489	1.75	20.1	16.4	12.8	17.5	17.5	17.2	15.0	2.59	1.12	0.808	10.3	1947
1948	0.926	0.298	1.68	27.4	18.1	37.0	21.1	19.3	16.4	2.95	1.86	1.11	12.3	1948
1949	0.564	0.448	2.92	11.7	20.0	18.5	16.5	15.3	11.0	1.66	1.48	0.533	8.43	1949
1950	0.030	0.333	2.49	17.7	17.0	20.7	19.3	15.6	15.5	15.7	3.06	1.11	10.8	1950
1951	0.887	0.636	11.9	24.4	17.9	23.8	27.3	22.0	14.2	7.31	6.11	3.77	13.4	1951
1952	2.42	4.45	12.1	27.4	9.13	4.58	14.0	17.2	17.3	6.53	1.60	1.62	9.86	1952
1953	1.70	2.19	4.52	23.6	32.8	46.2	11.6	16.6	17.1	4.62	2.53	1.77	13.8	1953
1954	1.21	4.33	4.08	18.7	22.7	19.8	19.3	19.6	6.07	2.82	2.11	1.37	10.2	1954
1955	0.557	0.632	3.35	15.6	21.7	16.1	20.0	17.7	10.8	1.89	0.862	1.18	9.26	1955
1956	0.894	1.11	8.34	13.9	25.2	22.0	21.8	18.3	16.7	9.79	2.18	0.708	11.8	1956
1957	0.552	1.35	5.74	11.1	28.1	21.8	16.6	15.9	10.8	1.89	2.35	1.41	9.85	1957
1958	0.910	1.64	3.02	22.6	19.9	22.3	19.6	17.8	10.8	1.41	1.47	1.57	10.3	1958
1959	1.10	1.13	6.47	20.6	28.5	22.8	17.8	18.3	20.2	8.21	1.83	2.29	12.5	1959
1960	0.962	1.17	17.0	7.22	22.4	20.9	18.4	18.2	12.9	0.852	1.00	0.872	10.2	1960
1961	1.03	1.32	3.71	14.5	17.4	21.2	18.9	18.1	13.9	3.07	1.13	0.299	9.58	1961
1962	1.17	2.18	7.33	21.2	21.3	20.6	18.3	17.5	2.25	0.654	0.606	0.543	9.51	1962
1963	0.244	4.02	2.50	16.6	18.7	21.9	19.6	18.2	12.9	0.427	0.365	0.232	9.65	1963
1964	0.202	0.599	1.14	14.3	29.3	28.1	12.8	19.6	18.0	2.32	1.91	0.895	10.8	1964
1965	0.369	2.88	5.24	31.3	11.5	30.1	17.9	20.7	14.8	2.68	1.96	2.08	11.8	1965
1966	0.324	0.860	11.0	8.96	20.0	29.3	20.2	21.0	16.8	2.24	1.68	1.23	11.2	1966
1967	1.28	2.30	11.3	13.0	33.4	21.0	22.2	20.5	18.8	1.90	1.94	1.37	12.5	1967
1968	1.25	2.72	8.82	15.6	25.3	25.9	21.3	20.4	18.5	4.25	3.38	2.10	12.5	1968
1969	0.755	1.18	10.5	29.3	14.7	27.1	23.6	19.9	11.1	2.25	1.99	1.23	12.0	1969
1970	0.450	1.03	2.62	13.2	20.3	23.0	20.1	19.8	11.5	1.58	1.42	0.477	9.66	1970
1971	0.643	6.52	4.06	14.5	16.5	11.3	20.3	18.7	19.0	6.16	1.59	0.248	9.94	1971
1972	0.060	0.101	29.0	11.7	27.7	23.0	22.4	21.2	19.7	7.44	1.41	0.341	13.7	1972
1973	0.824	1.32	4.76	5.08	14.5	19.9	18.7	15.9	0.716	0.400	0.368	0.460	6.96	1973
1974	1.99	0.823	4.58	20.6	25.1	19.3	20.6	18.5	14.8	1.06	0.956	0.532	10.8	1974
1975	0.228	0.102	0.755	6.56	28.3	25.7	14.0	20.8	18.5	3.86	2.12	2.36	10.3	1975
1976	3.41	3.27	7.91	11.9	24.1	25.7	22.6	22.5	20.0	4.68	1.40	1.11	12.4	1976
1977	0.790	1.46	1.05	4.89	15.8	19.1	5.71	5.37	3.04	0.780	0.475	0.349	4.91	1977
1978	0.351	0.498	18.2	8.08	7.98	15.1	17.7	17.3	11.5	2.03	1.58	1.45	8.54	1978
1979	0.400	0.375	18.4	15.2	15.3	21.8	18.7	18.1	5.95	0.789	0.607	0.896	9.77	1979
1980	0.378	0.799	4.03	20.5	20.6	23.8	20.1	18.8	8.54	1.41	1.01	0.885	10.1	1980
1981	1.42	2.50	12.6	13.1	26.4	24.1	19.8	17.8	16.6	1.87	1.36	0.586	11.6	1981
1982	0.098	0.180	3.66	20.5	20.7	20.0	18.0	0.827	0.568	1.12	0.666	0.501	7.26	1982
1983	0.529	0.869	7.54	12.1	9.46	16.9	18.9	17.5	1.26	0.384	0.358	0.109	7.20	1983
1984	0.159	1.09	7.45	8.06	9.42	18.6	18.0	13.4	0.417	0.267	0.563	0.216	6.50	1984
1985	0.028	0.025	4.19	20.8	20.2	20.6	13.4	17.3	14.6	2.66	1.05	0.378	9.63	1985
1986	1.50	17.4	6.62	9.67	11.8	12.6	16.8	15.9	3.87	1.19	0.912	0.857	8.11	1986
1987	0.495	0.955	11.0	12.1	13.8	16.2	13.0	15.7	6.16	0.929	0.967	0.581	7.76	1987
1988	0.079	0.344	6.93	19.4	18.8	18.8	15.2	4.21	0.244	0.223	0.335	0.209	7.09	1988
1989	0.103	0.062	9.78	20.3	21.0	26.1	20.0	17.8	17.7	15.6	2.64	1.71	12.8	1989
1990	1.61	2.30	5.75	14.5	24.9	18.9	18.9	16.7	15.4	7.21	1.34	0.618	10.7	1990
MEAN	0.871	1.84	6.28	14.1	17.5	18.9	16.3	14.4	9.12	2.91	1.68	0.959	8.93	MEAN

LOCATION - LAT 49 08 37 N
LONG 112 04 44 W

DRAINAGE AREA, 2 720 km²
REGULATED SINCE 1916

INTERNATIONAL GAUGING STATION

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	131 ON MAY 23	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	58.0 ON JUN 26	0.283B ON DEC 11	129 000	1912
1913	55.2 ON APR 14	42.5 ON APR 03	0.198B ON JAN 01	139 000	1913
1914	---	53.5 ON APR 14	0.028B ON FEB 09	73 100	1914
1915	---	25.8 ON APR 06	---	---	1915
1916	---	34.8 ON JUN 26	0.595B ON JAN 21	157 000	1916
1917	---	101 B ON FEB 17	0.340B ON FEB 01	281 000	1917
1918	---	94.3 ON APR 07	0.963B ON DEC 14	310 000	1918
1919	---	28.3B ON MAR 28	0.241B ON NOV 20	171 000	1919
1920	---	21.3A ON MAY 10	0.045B ON DEC 15	171 000	1920
1921	---	83.3A ON APR 21	0.227B ON DEC 27	259 000	1921
1922	---	45.9B ON APR 03	0.071B ON DEC 28	137 000	1922
1923	37.4 ON JUN 23	54.7A ON APR 23	0 B ON JAN 19 *	179 000	1923
1924	57.2B AT 00:00 MST ON APR 07	36.5 ON JUN 23	0 B ON JAN 01	170 000	1924
1925	59.5B AT 12:00 MST ON MAR 30	52.1 ON JUN 09	0.113B ON JAN 01	207 000	1925
1926	21.8 AT 21:00 MST ON JUN 20	44.2B ON MAR 30	0.059B ON JAN 20	304 000	1926
1927	247 ON MAY 22	19.5 ON JUN 20	0.079B ON DEC 16	152 000	1927
1928	112 B ON MAR 21	120 ON MAY 22	0 B ON JAN 24	369 000	1928
1929	55.5 AT 09:00 MST ON JUN 03	89.2B ON MAR 22	1.47 B ON JAN 01	347 000	1929
1930	79.9B AT 11:25 MST ON MAR 30	54.4 ON JUN 03	0.498B ON NOV 19	291 000	1930
1931	16.1 AT 13:00 MST ON JUL 03	65.7B ON MAR 30	0.867B ON JAN 16	255 000	1931
1932	34.5 AT 23:00 MST ON MAY 05	15.6 ON AUG 01	0.255B ON DEC 19	184 000	1932
1933	37.7 AT 02:00 MST ON APR 24	31.7 ON MAY 06	0.042B ON DEC 12	271 000	1933
1934	48.7 AT 13:00 MST ON JUN 09	32.0 ON APR 24	0.042B ON FEB 08	207 000	1934
1935	103 AT 20:00 MST ON APR 17	46.2 ON JUN 09	0.057B ON JAN 01	318 000	1935
1936	95.1 AT 20:45 MST ON APR 11	67.1 ON APR 17	0 B ON JAN 15	278 000	1936
1937	109 AT 01:30 MST ON JUN 14	59.7 ON APR 12	0 B ON FEB 24	235 000	1937
1938	37.7 ON APR 12	83.3 ON JUN 14	0.028B ON JAN 01	255 000	1938
1939	24.6 AT 19:00 MST ON JUN 16	31.7 ON MAY 20	0 B ON FEB 15	283 000	1939
1940	22.2 AT 18:30 MST ON JUL 16	24.3 ON JUN 17	0.085B ON OCT 24	239 000	1940
1941	22.5 ON JUN 06	21.4 ON JUL 28	0 B ON JAN 28	189 000	1941
1942	50.4 AT 21:00 MST ON APR 03	22.3 ON JUN 06	0.113B ON DEC 31	180 000	1942
1943	---	42.2 ON APR 04	0 B ON JAN 04	298 000	1943
1944	18.3 AT 12:00 MST ON MAY 21	41.3B ON MAR 30	0.028B ON JAN 29	286 000	1944
1945	32.0E ON JUN 08	17.8 ON MAY 22	0.085B ON DEC 31	159 000	1945
1946	22.3 AT 12:00 MST ON JUN 23	31.4E ON JUN 08	0.028B ON JAN 02	260 000	1946
1947	151 AT 09:00 MST ON MAY 22	21.4 ON MAY 31	0.063B ON FEB 02	284 000	1947
1948	174 AT 18:15 MST ON JUN 18	89.2B ON MAR 22	0.255B ON JAN 04	325 000	1948
1949	31.7 AT 11:30 MST ON MAY 21	144 ON JUN 18	0.142B ON FEB 09	390 000	1949
1950	58.9 AT 00:00 MST ON APR 17	31.4 ON MAY 21	0.085B ON DEC 30	266 000	1950
1951	166 AT 20:00 MST ON JUN 25	47.0 ON APR 18	0 B ON JAN 21	339 000	1951
1952	67.4B AT 01:30 MST ON MAR 30	120 ON JUN 25	0.170B ON FEB 12	423 000	1952
1953	204 AT 21:00 MST ON JUN 04	62.9B ON MAR 30	0.850B ON NOV 19	312 000	1953
1954	65.7B AT 22:30 MST ON APR 06	169 ON JUN 04	0.566B ON JAN 11	434 000	1954
1955	97.1 AT 19:00 MST ON MAY 19	41.9 ON APR 18	0.453B ON JAN 19	322 000	1955
1956	58.9 AT 22:00 MST ON JUL 04	77.3 ON MAY 20	0.311B ON JAN 11	292 000	1956
1957	38.2 AT 09:00 MST ON MAY 09	52.1 ON JUL 05	0.311B ON DEC 13	372 000	1957
1958	62.0 AT 04:00 MST ON APR 02	37.4 ON MAY 09	0.142B ON FEB 10	311 000	1958
1959	40.5 AT 07:00 MST ON MAY 20	51.3 ON APR 05	0.255B ON FEB 11	324 000	1959
1960	82.1B AT 20:30 MST ON MAR 21	38.8 ON MAY 20	0.566B ON JAN 13	394 000	1960
1961	30.3 AT 23:00 MST ON MAY 18	62.3B ON MAR 21	0.340B ON MAR 06	323 000	1961
1962	31.1 AT 15:00 MST ON APR 16	28.3 ON MAY 18	0.159B ON DEC 13	302 000	1962
1963	---	30.3 ON APR 16	0.096B ON MAR 14	300 000	1963
1964	230 AT 23:00 MST ON JUN 09	29.4B ON FEB 07	0.028B ON JAN 23	304 000	1964
1965	64.6 AT 16:30 MST ON JUN 27	129 ON JUN 09	0.113B ON JAN 23	341 000	1965
1966	97.4 AT 18:00 MST ON JUN 05	62.6B ON APR 08	0.142B ON JAN 01	371 000	1966
1967	146 AT 23:00 MST ON MAY 09	69.9 ON JUN 05	0.159B ON JAN 12	353 000	1967
1968	49.0 AT 21:45 MST ON JUN 08	118 ON MAY 09	0.714B ON NOV 26	394 000	1968
1969	114 AT 00:40 MST ON APR 02	41.1 ON JUN 09	0.578B ON JAN 09	395 000	1969
1970	47.0 AT 19:30 MST ON JUN 14	106 ON APR 02	0.544B ON JAN 16	378 000	1970
1971	34.3B AT 13:30 MST ON FEB 15	42.2 ON JUN 15	0.204B ON JAN 15	305 000	1971
1972	132 B AT 00:30 MST ON MAR 18	33.7B ON FEB 15	0.074B ON DEC 28	314 000	1972
1973	23.5 AT 22:50 MST ON MAY 25	105 B ON MAR 17	0.025B ON JAN 25	435 000	1973
1974	50.4 AT 21:30 MST ON MAY 01	23.1 ON MAY 26	0.232B ON DEC 29	220 000	1974
1975	260 AT 10:50 MST ON JUN 21	44.5 ON MAY 01	0.136B ON JAN 13	340 000	1975
1976	---	207 ON JUN 21	0.074B ON FEB 13	325 000	1976
1977	22.4 AT 12:10 MST ON MAY 19	34.3 ON MAR 19	0.878E ON OCT 22	392 000	1977
1978	---	22.3 ON MAY 19	0.283B ON DEC 08	155 000	1978
1979	---	70.8B ON MAR 22	0.311B ON JAN 01	269 000	1979
1980	60.5 AT 16:50 MST ON MAY 27	49.8B ON MAR 09	0.142B ON NOV 20	308 000	1980
1981	59.7 AT 23:05 MST ON MAY 16	55.6 ON MAY 27	0.071B ON JAN 29	319 000	1981
1982	136 AT 02:55 MST ON APR 14	57.6 ON MAY 17	0.129B ON DEC 31	365 000	1982
1983	20.3 AT 14:20 MST ON JUL 20	112 A ON APR 14	0.010B ON FEB 05	229 000	1983
1984	23.2 AT 09:35 MST ON JUN 24	19.6 ON JUL 18	0.020B ON DEC 28	227 000	1984
1985	32.3 AT 14:45 MST ON JUN 01	22.2 ON JUN 24	0.010B ON DEC 29	206 000	1985
1986	279 AT 24:00 MST ON FEB 25 *	31.1 ON JUN 01	0.010B ON JAN 01	304 000	1986
1987	40.5 AT 02:27 MST ON APR 06	210 A ON FEB 26 *	0.239B ON NOV 11	256 000	1987
1988	27.7 AT 01:00 MST ON APR 09	32.7 ON APR 05	0.080B ON DEC 30	245 000	1988
1989	86.8 AT 18:45 MST ON MAR 27	26.4 ON APR 09	0.060B ON JAN 13	224 000	1989
1990	42.5 AT 02:40 MST ON MAY 31	55.0 ON JUN 12	0.010B ON JAN 08	403 000	1990
		38.7 ON MAY 31	0.169B ON DEC 31	338 000	MEAN
				282 000	

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO. 11AA007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.14	2.40	---	---	---	1909
1910	---	---	---	5.37	5.27	2.54	0.819	0.305	1.57	1.32	---	---	2.45	1910
1911	---	---	---	10.4	11.0	10.8	6.44	3.12	11.8	5.00	---	---	8.33	1911
1912	---	---	---	---	9.54	3.60	3.87	2.05	1.80	2.33	---	---	---	1912
1913	---	---	---	20.8	14.0	8.78	4.72	4.99	0.972	2.01	---	---	7.58	1913
1914	---	---	---	10.1	4.11	2.31	0.723	0.312	0.658	4.39	---	---	3.22	1914
1915	---	---	---	7.36	6.38	16.4	9.06	5.28	5.97	5.06	---	---	7.91	1915
MEAN	---	---	---	10.8	8.33	7.41	4.19	2.30	3.55	3.22	---	---	5.90	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA, 5 730 km²
LONG 111 02 00 W NATURAL FLOW

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO. 11AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.35 CM APR 16	0.181E CM AUG 04	45 300	1910
1911	---	43.6 CM JUN 25	1.87 E CM SEP 02	154 000	1911
1912	---	31.7 CM MAY 24	---	---	1912
1913	---	45.0 CM APR 13	0.708 CM SEP 10	140 000	1913
1914	---	21.7 CM APR 08	0 CM AUG 06 *	59 500	1914
1915	---	53.0 CM JUN 06 *	2.44 CM MAY 01	146 000	1915
				109 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	----	----	1.07	1.83	0.963	0.254	0.076	0.105	0.192	0.267	----	----	0.592	1931
1932	----	----	----	3.17	3.68	2.31	0.434	0.475	0.144	0.316	----	----	----	1932
1933	----	----	0.998	4.16	7.03	3.24	0.845	0.362	0.344	0.350	----	----	2.15	1933
1934	----	----	4.15	8.35	4.83	5.52	1.25	0.291	0.485	1.02	----	----	3.22	1934
1935	----	1.05	1.14	9.60	5.27	2.21	0.432	0.135	0.187	0.302	----	----	2.39	1935
1936	----	----	1.41	6.27	1.63	0.463	0	0.004	0	0	----	----	1.21	1936
1937	----	----	0.286	7.24	4.72	6.78	0.696	0.240	0.235	0.396	----	----	2.56	1937
1938	----	----	2.19	4.98	5.62	3.33	2.21	0.493	0.266	0.424	----	----	2.43	1938
1939	----	----	3.00	2.56	1.51	1.13	0.085	0	0	0.060	----	----	1.04	1939
1940	----	----	1.24	2.51	1.11	0.191	0.102	0.006	0	0.138	----	----	0.659	1940
1941	----	----	0.681	1.17	0.378	0.082	0.470	0.006	0.168	0.283	----	----	0.503	1941
1942	----	----	0.612	6.95	3.75	5.31	1.49	0.706	0.627	0.509	----	----	2.45	1942
1943	----	----	----	8.80	6.88	3.73	1.04	0.666	1.03	1.07	----	----	----	1943
1944	----	----	0.441	1.68	0.684	0.550	0.137	0.024	0	0	----	----	0.434	1944
1945	----	----	0.710	1.20	2.21	4.19	0.776	0.049	0.153	0.306	----	----	1.19	1945
1946	----	----	1.36	2.02	1.97	1.37	0.520	0.083	0.155	0.758	----	----	1.05	1946
1947	----	----	7.98	8.72	6.67	3.73	1.04	0.666	1.03	1.07	----	----	3.84	1947
1948	----	----	0.726	14.1	10.5	21.6	4.16	1.94	0.857	0.957	----	----	6.92	1948
1949	----	----	1.11	7.81	3.97	1.58	0.529	0.083	0.271	0.740	----	----	2.00	1949
1950	----	----	1.12	10.9	12.4	10.7	4.27	1.40	0.619	0.960	----	----	5.27	1950
1951	----	----	2.11	14.4	14.3	14.4	9.86	4.02	4.77	3.78	----	----	8.42	1951
1952	----	----	4.41	15.6	6.57	3.10	1.54	0.709	0.533	0.561	----	----	4.11	1952
1953	----	----	1.48	12.7	12.8	24.8	4.04	1.53	1.09	1.03	----	----	7.37	1953
1954	----	----	2.10	10.6	16.8	7.83	2.43	1.42	1.41	1.75	----	----	5.50	1954
1955	----	----	1.01	8.31	12.7	5.63	3.40	0.669	0.367	0.710	----	----	4.09	1955
1956	----	----	2.77	6.14	8.55	4.47	3.57	1.31	0.648	0.657	----	----	3.49	1956
1957	----	----	2.04	6.17	9.72	4.36	0.629	0.200	0.420	0.684	----	----	3.01	1957
1958	----	----	1.25	7.80	2.69	4.39	1.62	0.393	0.312	0.644	----	----	2.24	1958
1959	----	----	3.63	8.09	9.46	4.39	1.24	0.369	0.523	1.03	----	----	3.58	1959
1960	----	----	8.10	3.11	5.73	1.71	0.343	0.251	0.001	0.139	----	----	2.43	1960
1961	----	----	1.93	4.09	4.86	1.41	0.305	0.036	0.086	0.490	----	----	1.40	1961
1962	----	----	3.22	7.56	3.05	1.37	0.281	0.136	0.065	0.295	----	----	2.01	1962
1963	----	2.80	1.25	1.54	1.47	2.22	1.18	0.002	0	0	----	----	0.954	1963
1964	----	----	0.618	3.43	9.60	15.5	2.12	0.515	1.07	1.08	----	----	4.21	1964
1965	----	----	2.84	14.9	8.06	7.39	2.46	0.733	1.56	0.915	----	----	4.84	1965
1966	----	----	4.37	5.40	3.67	8.09	2.31	0.741	0.456	0.865	----	----	3.22	1966
1967	----	----	3.14	6.02	19.2	12.6	2.43	0.644	0.281	0.594	----	----	5.64	1967
1968	----	----	2.97	3.22	5.97	4.36	1.22	0.913	2.80	1.68	----	----	2.87	1968
1969	----	----	2.58	17.4	3.72	6.59	2.84	0.282	0.146	0.712	----	----	4.24	1969
1970	----	----	0.651	3.39	11.4	5.51	1.19	0.404	0.363	0.539	----	----	2.93	1970
1971	----	----	1.78	9.80	9.19	5.27	1.39	0.300	0.413	0.594	----	----	3.60	1971
1972	----	----	20.3	8.08	10.8	7.24	4.81	1.31	0.875	0.921	----	----	6.58	1972
1973	----	----	1.75	2.53	2.37	0.868	0.024	0	0	0	----	----	0.940	1973
1974	----	----	1.90	6.84	7.02	3.45	1.09	0.559	0.342	0.440	----	----	2.69	1974
1975	----	----	0.409	4.02	16.5	16.7	5.36	1.88	1.08	1.94	----	----	5.98	1975
1976	----	----	3.53	7.47	6.28	2.94	0.904	0.857	0.160	0.386	----	----	2.81	1976
1977	----	----	0.315	2.18	0.656	0.087	0	0.008	0.041	0.228	----	----	0.436	1977
1978	----	----	13.6	4.62	6.52	4.84	2.78	1.58	3.68	1.04	----	----	4.84	1978
1979	----	----	8.69	8.90	8.80	2.97	0.734	0.277	0.109	0.264	----	----	3.84	1979
1980	----	----	1.06	7.15	4.51	4.10	0.526	0.567	0.499	0.670	----	----	2.37	1980
1981	----	----	1.84	2.41	8.24	4.42	1.10	0.346	0.070	0.504	----	----	2.37	1981
1982	----	----	0.949	11.1	5.43	1.91	1.22	0.086	0.121	0.532	----	----	2.88	1982
1983	----	----	1.75	1.66	1.80	0.537	0.210	0.007	0	0	----	----	0.745	1983
1984	----	----	0.812	1.23	0.689	0.572	0.025	0	0	0.029	----	----	0.415	1984
1985	----	----	1.32	3.99	2.26	1.95	0.032	0.008	1.23	2.06	----	----	1.60	1985
1986	----	----	4.00	2.98	5.38	3.21	0.204	0	0.480	0.778	----	----	1.63	1986
1987	----	----	1.80	4.56	1.61	0.567	1.25	0.931	0.568	0.586	----	----	1.48	1987
1988	----	----	1.03	3.46	2.01	0.623	0.080	0	0	0	----	----	0.895	1988
1989	----	----	2.59	4.40	2.70	6.29	1.48	1.03	1.09	0.906	----	----	2.54	1989
1990	----	----	3.91	7.57	7.49	4.02	1.25	0.570	0.130	0.764	----	----	3.21	1990
MEAN	----	1.93	2.69	6.28	6.07	4.94	1.51	0.553	0.570	0.674	----	----	2.90	MEAN

LOCATION - LAT 49 00 27 N LONG 112 32 42 W DRAINAGE AREA, 1 050 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963 AND 1986

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	7.79 AT 07:30 MST ON APR 07	6.51 ON APR 07	0 ON JUL 31 *	12 500	1931
1932	12.3 AT 17:00 MST ON MAY 05	9.66 ON MAY 05	---	---	1932
1933	14.0 AT 07:00 MST ON APR 29	12.7 ON APR 29	0.057 ON AUG 17	45 500	1933
1934	37.4 AT 02:00 MST ON JUN 09	22.9 ON JUN 09	0.232 ON AUG 19	68 100	1934
1935	---	50.7 ON APR 17	0.045 ON AUG 14	50 600	1935
1936	44.2 B ON APR 11	27.7 B ON APR 11	0 B ON MAR 01	25 600	1936
1937	72.5 AT 10:30 MST ON JUN 13	50.7 ON JUN 13	0.023A ON AUG 31	54 200	1937
1938	15.9 AT 01:00 MST ON JUN 27	11.3 B ON APR 11	0.125 ON SEP 24	51 500	1938
1939	12.2 B AT 19:00 MST ON MAR 25	9.94B ON MAR 23	0 ON JUL 19	22 000	1939
1940	15.3 AT 19:00 MST ON JUL 04	4.22 ON APR 26	0 ON JUN 29	13 900	1940
1941	8.30 AT 20:00 MST ON JUN 13	2.83 ON JUN 05	0 B ON MAR 01	10 600	1941
1942	39.1 AT 21:30 MST ON APR 03	20.5 ON APR 04	0.142B ON MAR 01	51 800	1942
1943	20.0 AT 14:00 MST ON JUN 08	18.8 ON JUN 08	---	---	1943
1944	---	5.32B ON APR 04	0 ON JUL 28	9 190	1944
1945	12.1 AT 20:30 MST ON JUN 07	11.3 ON JUN 07	0 ON AUG 23	25 200	1945
1946	3.99 AT 23:00 MST ON MAY 30	3.51 ON MAR 29	0 ON AUG 13	22 300	1946
1947	41.1 B AT 16:30 MST ON MAR 22	36.8 B ON MAR 22	0.142B ON MAR 04	81 400	1947
1948	135 AT 05:00 MST ON JUN 18	127 ON JUN 18	0.396B ON MAR 06	147 000	1948
1949	---	19.8 B ON APR 07	0.011 ON AUG 27	42 300	1949
1950	39.6 AT 11:00 MST ON APR 17	36.0 ON APR 17	0.504 ON SEP 26	112 000	1950
1951	111 AT 12:00 MST ON JUN 24	60.9 ON JUN 25	0.142B ON MAR 01	178 000	1951
1952	---	31.1 B ON APR 07	0.300A ON AUG 30	87 000	1952
1953	130 AT 11:00 MST ON JUN 04	110 ON JUN 04	0.113B ON MAR 01	156 000	1953
1954	38.2 AT 20:00 MST ON APR 17	28.3 ON APR 18	0.725 ON SEP 14	116 000	1954
1955	75.9 AT 07:00 MST ON MAY 19	62.9 ON MAY 19	0.099 ON SEP 07	86 500	1955
1956	31.4 AT 23:00 MST ON JUL 04	25.3 ON JUL 04	0.113B ON MAR 08	73 900	1956
1957	20.4 AT 23:00 MST ON MAY 08	18.1 ON MAY 05	0.054 ON SEP 16	63 700	1957
1958	27.6 AT 08:00 MST ON APR 09	21.2 ON APR 09	0.082 ON SEP 16	47 300	1958
1959	27.6 B AT 11:00 MST ON APR 04	21.1 ON MAY 02	0.221 ON AUG 14	75 800	1959
1960	62.3 B AT 22:00 MST ON MAR 21	37.7 B ON MAR 21	0 ON SEP 06	51 500	1960
1961	12.2 AT 10:00 MST ON MAY 18	10.9 ON MAY 18	0 ON AUG 21	29 700	1961
1962	23.9 B AT 20:00 MST ON APR 05	17.8 ON APR 06	0 ON AUG 21	42 500	1962
1963	---	5.89 ON JUL 07	0 ON AUG 05	20 200	1963
1964	225 AT 06:00 MST ON JUN 09 *	153 ON JUN 09 *	0.241B ON MAR 06	89 200	1964
1965	---	27.8 B ON APR 10	0.473 ON AUG 20	103 000	1965
1966	52.4 AT 10:30 MST ON JUN 05	45.9 ON JUN 05	0.195B ON MAR 01	68 200	1966
1967	79.3 AT 15:00 MST ON MAY 09	70.2 ON MAY 09	0.164 ON SEP 09	119 000	1967
1968	22.9 AT 12:00 MST ON JUN 08	19.9 ON JUN 08	0.309 ON AUG 10	60 800	1968
1969	---	50.1 B ON APR 02	0.034 ON SEP 13	89 700	1969
1970	29.7 AT 13:53 MST ON MAY 08	27.9 ON MAY 08	0.057 ON SEP 07	62 000	1970
1971	19.9 AT 17:00 MST ON MAY 07	18.4 ON MAY 07	0.108 ON AUG 22	76 100	1971
1972	116 B AT 18:00 MST ON MAR 17	99.7 B ON MAR 17	0.085B ON MAR 01	139 000	1972
1973	4.90 AT 18:30 MST ON APR 25	4.59 ON APR 25	0 ON JUL 12	19 900	1973
1974	24.6 AT 08:30 MST ON MAY 01	21.8 ON MAY 01	0.224 ON SEP 23	57 000	1974
1975	201 AT 18:10 MST ON JUN 20	118 ON JUN 20	0.122B ON MAR 08	127 000	1975
1976	---	15.4 B ON MAR 18	0.099 ON SEP 21	59 400	1976
1977	8.10 AT 22:50 MST ON APR 09	7.76 ON APR 10	0 ON JUL 03	9 220	1977
1978	---	67.4 B ON MAR 21	0.059B ON MAR 05	102 000	1978
1979	---	29.2 B ON MAR 12	0.019 ON OCT 01	81 300	1979
1980	32.1 AT 09:00 MST ON MAY 27	29.3 ON MAY 27	0.007 ON AUG 08	50 100	1980
1981	39.9 AT 00:50 MST ON MAY 17	31.8 ON MAY 17	0.012 ON SEP 24	50 100	1981
1982	---	61.7 B ON APR 13	0.001 ON SEP 11	61 000	1982
1983	---	3.40B ON MAR 13	0 ON AUG 06	15 800	1983
1984	4.71 AT 15:20 MST ON JUN 25	3.37 ON APR 22	0 ON JUL 09	8 780	1984
1985	18.6 AT 01:30 MST ON JUN 01	12.9 ON JUN 01	0 B ON MAR 01	33 800	1985
1986	170 E ON FEB 25	10.8 ON MAR 01	0 ON AUG 02	34 500	1986
1987	23.1 AT 16:03 MST ON APR 05	18.7 A ON APR 05	0.012 ON JUL 16	31 300	1987
1988	9.06 AT 13:19 MST ON APR 08	7.73 ON APR 08	0 ON JUL 22	19 000	1988
1989	32.1 AT 18:35 MST ON JUN 11	29.6 ON JUN 12	0 B ON MAR 01	53 800	1989
1990	23.9 AT 15:12 MST ON MAY 30	21.4 ON MAY 30	0.020 ON SEP 20	67 900	1990
				61 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.30	2.20	---	---	---	1909
1910	---	---	---	5.77	5.22	3.06	0.887	0.495	1.49	1.38	---	---	2.60	1910
1911	---	---	---	8.89	10.5	9.46	4.52	2.72	6.87	3.79	---	---	6.65	1911
1912	---	---	---	---	---	---	---	1.93	1.81	2.21	---	---	---	1912
1913	---	---	---	21.3	11.8	7.89	3.94	2.03	1.36	2.28	1.90	---	7.18	1913
1914	---	---	---	8.39	4.52	2.41	0.842	0.491	0.730	3.32	---	---	2.95	1914
1915	---	---	---	6.04	5.77	13.2	7.79	4.60	6.43	4.91	---	---	6.94	1915
MEAN	---	---	---	10.1	7.56	7.20	3.60	2.04	3.00	2.87	1.90	---	5.26	MEAN

LOCATION - LAT 49 05 00 N, LONG 111 39 00 W
DRAINAGE AREA, 4 260 km²
NATURAL FLOW

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.72 ON JUN 11	0.368 ON AUG 02	48 200	1910
1911	---	58.6 ON JUN 26 *	1.16 ON AUG 25	123 000	1911
1912	---	---	---	---	1912
1913	---	53.2 B ON APR 13	0.991 ON SEP 13	133 000	1913
1914	---	18.0 ON APR 14	0.062 ON AUG 08 *	54 500	1914
1915	---	31.7 ON JUN 06	2.35 ON MAY 01	128 000	1915
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		97 300	MEAN

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	8.79	5.54	2.25	1.25	0.643	1.48	0.883	0.553	---	1913
1914	---	---	---	---	---	1.79	0.489	0.409	0.472	1.77	1.01	0.500	---	1914
1915	0.347	0.431	2.08	2.39	3.54	7.47	4.31	1.78	3.35	2.28	1.60	1.23	3.39	1915
1916	0.757	11.1	10.8	5.59	7.43	10.2	4.94	2.46	2.08	2.20	1.59	1.02	5.70	1916
1917	0.731	0.727	0.701	12.2	16.7	9.20	2.40	1.08	0.978	1.12	1.31	0.626	5.53	1917
1918	1.81	0.463	2.00	5.18	3.97	1.95	0.795	0.461	0.439	0.562	0.380	0.248	1.91	1918
1919	0.280	0.210	0.496	2.53	1.98	0.584	0.022	0.001	0.015	0.231	---	---	0.729	1919
1920	---	---	---	---	10.8	3.43	1.09	0.461	0.327	0.424	---	---	---	1920
1921	---	---	---	4.54	5.08	2.75	0.795	0.242	0.223	0.275	---	---	---	1921
1922	---	---	0.229	4.32	6.51	3.61	1.51	0.382	0.211	0.286	---	---	2.12	1922
1923	---	---	0.466	3.65	4.90	4.45	1.24	0.658	0.338	0.369	---	---	2.00	1923
1924	---	---	0.718	3.07	2.81	6.12	1.23	0.765	0.347	0.304	---	---	1.91	1924
1925	---	---	---	12.5	7.91	3.45	1.41	0.639	0.641	1.33	---	---	---	1925
1926	---	---	1.10	1.69	0.668	0.517	0.111	0.031	0.452	0.509	---	---	0.632	1926
1927	---	---	---	---	15.5	14.1	4.37	3.52	5.15	3.44	---	---	---	1927
1928	---	---	---	6.69	6.91	5.89	5.66	1.93	1.29	2.16	---	---	---	1928
1929	---	---	---	5.65	4.90	4.95	1.19	0.315	0.272	0.713	---	---	---	1929
1930	---	---	4.03	9.21	5.95	3.32	0.876	0.299	0.463	0.542	---	---	3.07	1930
MEAN	0.785	2.59	2.26	5.66	6.73	4.96	1.93	0.927	0.983	1.11	1.13	0.696	2.70	MEAN

LOCATION - LAT 48 56 00 N LONG 112 49 00 W DRAINAGE AREA, 747 km^2 REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	13.8 ON APR 12	---	---	1914
1915	---	23.4 ON JUN 05	0.368 ON MAR 11	71 700	1915
1916	---	46.4 A ON MAR 10	1.27 A ON SEP 24	121 000	1916
1917	---	33.1 ON APR 08	0.566A ON MAR 03	117 000	1917
1918	---	9.83 ON APR 09	0.144 ON AUG 29	40 500	1918
1919	---	7.05 ON APR 01	0 ON AUG 01 *	15 400	1919
1920	---	24.1 ON APR 27	---	---	1920
1921	---	11.2 ON APR 13	---	---	1921
1922	---	9.54 ON MAY 06	0.028B ON MAR 01	45 000	1922
1923	---	13.2 ON JUN 22	0.079B ON MAR 01	42 300	1923
1924	---	22.8 ON JUN 08	0.224 ON OCT 13	40 300	1924
1925	---	---	---	---	1925
1926	---	7.08E ON APR 13	0.003 ON AUG 19	13 400	1926
1927	---	47.6 ON MAY 30 *	---	---	1927
1928	---	20.6 ON JUL 01	---	---	1928
1929	---	15.5 ON JUN 03	---	---	1929
1930	---	31.1 ON MAR 29	0.170 ON AUG 26	65 000	1930
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		57 200	MEAN

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	13.9	19.3	20.3	---	2.61	---	---	---	1978
1979	---	---	---	---	---	21.5	---	---	---	1.05	---	---	---	1979
1980	---	---	---	---	18.6	23.3	18.9	18.9	10.4	1.61	---	---	15.3	1980
1981	---	---	---	---	27.2	25.3	21.4	17.7	15.8	3.20	---	---	18.4	1981
1982	---	---	---	---	21.2	21.7	18.9	1.46	0.526	1.23	---	---	10.8	1982
MEAN	---	---	---	---	22.3	21.1	19.6	14.6	8.91	1.94	---	---	14.8	MEAN

LOCATION - LAT 49 07 25 N LONG 110 52 15 W DRAINAGE AREA, 6 040 km^2 REGULATED SINCE 1916 INTERNATIONAL GAUGING STATION

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	104 AT 04:00 MST ON AUG 24 *	72.2 ON AUG 24 *	---	---	1978
1979	---	---	---	---	1979
1980	51.4 AT 19:00 MST ON MAY 28	44.5 ON MAY 28	1.16 A ON OCT 08	243 000	1980
1981	67.8 AT 08:00 MST ON MAY 18	61.0 ON MAY 18	1.78 ON OCT 31	293 000	1981
1982	34.3 AT 17:20 MST ON MAY 30	31.9 ON MAY 30	0.270E ON SEP 11 *	172 000	1982
				236 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	14.5	20.0	20.8	13.4	2.44	---	---	---	1978
1979	---	---	---	---	17.9	22.7	20.4	18.9	6.43	1.01	---	---	14.6	1979
1980	---	---	---	---	21.7	25.0	20.8	19.4	9.47	1.43	---	---	16.3	1980
1981	---	---	---	---	28.2	27.0	20.5	16.1	16.1	2.27	---	---	18.7	1981
1982	---	---	---	---	20.6	20.6	19.5	0.865	0.564	1.18	---	---	10.5	1982
MEAN	---	---	---	---	22.2	22.0	20.2	15.6	9.19	1.67	---	---	15.0	MEAN

LOCATION - LAT 49 05 18 N LONG 111 32 05 W DRAINAGE AREA, 4 390 km^2 REGULATED SINCE 1916 INTERNATIONAL GAUGING STATION

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	94.9 AT 16:30 MST ON AUG 23 *	77.3 ON AUG 23 *	---	---	1978
1979	---	31.7 ON MAY 08	0.749 ON OCT 05	231 000	1979
1980	60.3 AT 01:20 MST ON MAY 28	51.2 ON MAY 28	1.04 ON OCT 12	259 000	1980
1981	61.8 AT 13:05 MST ON MAY 17	52.4 ON MAY 17	1.66 ON OCT 10	298 000	1981
1982	34.7 AT 19:25 MST ON MAY 29	32.6 ON MAY 29	0.389 ON SEP 09 *	168 000	1982
				239 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.479	3.09	2.79	---	---	---	1910
1911	---	---	---	3.01	9.12	13.3	3.16	5.84	12.1	2.81	---	---	---	1911
1912	---	---	---	1.94	5.92	3.67	4.30	1.38	0.890	1.19	---	---	---	1912
1913	---	---	---	---	8.14	8.83	2.84	1.88	1.02	2.03	---	---	---	1913
1914	---	---	---	---	6.41	5.89	2.46	1.72	1.37	4.30	---	---	---	1914
1915	---	---	---	---	13.5	12.1	5.66	3.46	2.73	3.07	---	---	---	1915
1916	---	---	---	3.09	7.18	15.5	6.90	2.56	1.30	1.24	---	---	---	1916
1917	---	---	---	---	12.3	15.5	3.20	0.872	0.642	0.497	0.473	0.270	---	1917
1918	0.552	0.473	0.476	2.31	4.57	5.23	0.892	0.911	1.38	1.02	0.866	0.470	2.34	1918
1919	0.289	0.351	0.496	1.61	7.92	3.48	0.818	0.457	0.337	0.459	0.600	0.411	1.95	1919
1920	0.323	0.341	0.521	---	---	---	---	---	---	---	---	---	---	1920
1967	---	---	---	---	11.9	13.5	3.44	0.989	0.648	0.533	---	---	---	1967
1968	---	---	0.547	0.945	5.26	6.96	2.31	1.25	3.17	3.37	---	---	2.97	1968
1969	---	---	1.11	3.77	5.90	10.8	4.06	0.923	0.528	0.591	---	---	3.45	1969
1970	---	---	0.572	1.94	7.95	10.5	1.98	0.747	0.667	0.593	---	---	3.10	1970
1971	---	---	0.305	1.73	8.39	7.24	2.09	0.830	0.595	0.602	---	---	2.72	1971
1972	---	---	1.23	2.61	12.4	10.8	4.74	1.89	1.13	1.28	---	---	4.50	1972
1973	---	---	0.422	2.03	4.30	3.11	1.05	0.601	0.516	0.393	---	---	1.45	1973
1974	---	---	0.467	2.02	7.79	12.6	3.05	1.34	0.780	0.552	---	---	3.55	1974
1975	---	---	0.329	0.827	11.0	24.4	5.61	1.63	1.01	0.994	---	---	5.69	1975
1976	---	---	0.737	1.93	8.14	4.59	2.28	1.46	0.942	0.643	---	---	2.72	1976
1977	---	---	---	0.561	1.24	1.17	0.574	0.545	0.554	0.450	---	---	---	1977
1978	---	---	---	1.08	6.02	6.45	3.01	1.22	1.07	0.843	---	---	---	1978
1979	---	---	---	1.38	7.58	4.38	1.41	0.779	0.511	0.419	---	---	---	1979
1980	---	---	---	1.66	6.77	6.00	1.35	0.819	1.01	0.898	---	---	---	1980
1981	---	---	---	1.58	14.6	7.39	2.85	1.42	0.673	0.495	---	---	---	1981
1982	---	---	0.216	0.794	2.35	7.31	2.35	0.913	0.615	0.579	---	---	1.90	1982
1983	---	---	0.561	0.847	3.81	3.14	1.34	0.747	0.465	0.388	---	---	1.41	1983
1984	---	---	0.268	0.704	2.27	3.19	1.27	0.631	0.481	0.606	---	---	1.17	1984
1985	---	---	0.154	1.20	4.47	2.77	0.873	1.14	1.40	1.83	---	---	2.23	1985
1986	---	---	2.16	2.96	7.14	4.93	1.31	0.667	1.17	2.12	---	---	2.80	1986
MEAN	0.388	0.388	0.623	1.73	7.47	8.10	2.65	1.34	1.49	1.32	0.646	0.384	2.75	MEAN

LOCATION - LAT 49 28 10 N LONG 114 08 00 W DRAINAGE AREA, 179 km^2 NATURAL FLOW

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	48.4 ON SEP 04	---	---	1911
1912	---	11.5 ON MAY 21	---	---	1912
1913	---	15.3 ON JUN 28	---	---	1913
1914	---	11.7 ON OCT 17	---	---	1914
1915	---	19.4 ON MAY 14	---	---	1915
1916	---	19.2 ON JUN 20	---	---	1916
1917	---	27.0 ON MAY 25	---	---	1917
1918	---	10.9 ON MAY 04	0.280B ON MAR 08	49 500	1918
1919	---	15.7 ON MAY 27	0.212B ON MAR 26	41 300	1919
1920	---	---	---	---	1920
1967	31.4 AT 23:00 MST ON MAY 21	27.1 ON MAY 22	---	---	1967
1968	20.0 AT 18:30 MST ON JUN 07	15.6 ON JUN 08	0.425B ON MAR 16	62 800	1968
1969	54.1 AT 09:23 MST ON JUN 26	43.3 ON JUN 26	0.476 ON SEP 19	72 900	1969
1970	44.5 AT 17:50 MST ON JUN 13	30.6 ON JUN 14	0.275B ON MAR 12	65 600	1970
1971	15.2 AT 08:30 MST ON MAY 06	14.0 ON MAY 27	0.170B ON MAR 21	37 500	1971
1972	31.7 AT 07:20 MST ON MAY 25	28.2 ON JUN 01	0.343B ON MAR 01	95 400	1972
1973	11.7 AT 02:30 MST ON MAY 18	10.9 ON MAY 18	0.193B ON MAR 29	30 700	1973
1974	18.5 AT 23:30 MST ON JUN 16	17.6 ON JUN 17	0.136B ON MAR 22	75 200	1974
1975	210 AT 23:30 MST ON JUN 19 *	133 ON JUN 19 *	0.255B ON APR 04	120 000	1975
1976	17.4 AT 03:30 MST ON MAY 11	15.9 ON MAY 11	0.314B ON MAR 14	57 600	1976
1977	1.76 AT 09:30 MST ON MAY 15	1.74 ON MAY 15	---	---	1977
1978	12.1 AT 00:45 MST ON JUN 06	11.5 ON JUN 06	---	---	1978
1979	19.1 AT 01:35 MST ON MAY 27	16.9 ON MAY 27	---	---	1979
1980	38.9 AT 13:20 MST ON MAY 26	32.1 ON MAY 26	---	---	1980
1981	---	76.4 E ON MAY 23	---	---	1981
1982	10.3 AT 09:21 MST ON JUN 05	9.97 ON JUN 05	0.183B ON MAR 04	40 300	1982
1983	9.85 AT 01:24 MST ON MAY 27	9.53 ON MAY 26	0.245 ON MAR 01	29 900	1983
1984	5.55 AT 02:23 MST ON MAY 31	5.31 ON MAY 31	0.200B ON MAR 15	24 900	1984
1985	11.8 AT 13:10 MST ON SEP 12	8.73 ON SEP 12	0.050B ON MAR 08 *	47 100	1985
1986	12.1 AT 04:15 MST ON MAY 29	11.9 ON MAY 29	0.473 ON AUG 29	59 400	1986
				58 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.193	0.308	1.36	0.377	0.008	0	0	0	---	---	0.281	1967
1968	---	---	0.086	0.043	0.240	0.107	0.126	0	0.067	0.131	---	---	0.100	1968
1969	---	---	0.438	0.261	0.041	0.039	0.109	0	0	0	---	---	0.111	1969
1970	---	---	0.003	0.003	0.002	0.145	0.004	0	0	0	---	---	0.019	1970
1971	---	---	0.015	0.070	0.037	0.270	0	0	0	0	---	---	0.048	1971
1972	---	---	0.152	0.032	0.038	0.005	0	0	0	0	---	---	0.028	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.028	0.005	0	0	0	0	---	---	0.004	1974
1975	---	---	0	0.230	0.924	0.584	0.090	0.006	0.009	0.019	---	---	0.234	1975
1976	---	---	0.063	0.031	0.045	0.003	0.008	0	0	0	---	---	0.019	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.579	0.343	0.306	0.132	0.140	0.106	0.207	0.047	---	---	0.233	1978
1979	---	---	0.563	0.517	0.432	0.044	0	0	0	0	---	---	0.195	1979
1980	---	---	0	0.004	0.002	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0.003	0.005	0.080	0.024	0.005	0	0	0	---	---	0.015	1981
1982	---	---	0.079	0.203	0.060	0.503	0.018	0	0	0	---	---	0.106	1982
1983	---	---	0.001	0.003	0.208	0.022	0.001	0	0	0	---	---	0.030	1983
1984	---	---	0.001	0.003	0.001	0	0	0	0.001	0	---	---	0.001	1984
1985	---	---	0	0.020	0.050	0.063	0	0	0	0.025	---	---	0.020	1985
1986	---	---	0.055	0.017	0.207	0.045	0.002	0	0	0.038	---	---	0.046	1986
1987	---	---	0.024	0.025	0.002	0	0	0	0.002	0.001	---	---	0.007	1987
1988	---	---	0.002	0.003	0.001	0	0	0.001	0.001	0.001	---	---	0.001	1988
1989	---	---	0.005	0.014	0.006	0.123	0	0	0	0	---	---	0.018	1989
1990	---	---	0.148	0.295	0.333	0.232	0.023	0	0	0	---	---	0.128	1990
MEAN	---	---	0.100	0.101	0.183	0.114	0.022	0.005	0.011	0.010	---	---	0.069	MEAN

LOCATION - LAT 49 01 05 N DRAINAGE AREA, 109 km^2
LONG 111 24 10 W REGULATED

REMARKS - HIGHER FLOWS ARE KNOWN TO HAVE OCCURED OUTSIDE STANDARD PERIOD DURING 1988

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---		---	1966
1967	4.56 AT 04:00 MST ON MAY 09 *	3.82 ON MAY 08 *	0 ON AUG 25 *	5 940	1967
1968	0.960 AT 20:00 MST ON JUL 01	0.779 ON JUL 02	0 ON JUL 08	2 130	1968
1969	---	2.41 B ON MAR 17	0 ON JUL 28	2 350	1969
			0 ON JUL 26		
1970	1.76 AT 14:20 MST ON JUN 17	1.27 ON JUN 18	0 ON MAR 01	407	1970
1971	4.33 AT 06:00 MST ON JUN 07	2.89 ON JUN 07	0 ON JUN 26	1 020	1971
1972	1.10 AT 18:40 MST ON MAR 17	0.810 ON MAR 17	0 ON MAR 01	602	1972
1973	---	0 ON MAR 01	0 ON MAR 01	0	1973
1974	0.142 AT 19:45 MST ON MAY 22	0.127 ON MAY 27	0 ON MAR 01	87.6	1974
1975	3.54 AT 15:40 MST ON MAY 07	3.37 ON MAY 07	0 ON MAR 01	4 940	1975
1976	0.787 AT 15:10 MST ON MAR 18	0.592 ON MAR 1f	0 ON MAY 21	400	1976
1977	---	0 E ON MAR 01	0E ON MAR 01	0	1977
1978	3.37 A AT 21:30 MST ON MAR 21	2.66 A ON MAR 21	0 ON AUG 12	4 920	1978
1979	---	2.50 B ON MAR 07	0 ON JUN 27	4 120	1979
1980	0.007B AT 06:25 MST ON APR 03	0.007 ON APR 07	0B ON MAR 01	20.7	1980
1981	0.356 AT 09:40 MST ON MAY 22	0.292 ON MAY 22	0 ON MAR 01	314	1981
1982	2.06 AT 13:30 MST ON JUN 03	1.80 ON JUN 04	0B ON MAR 01	2 250	1982
1983	0.991 AT 20:50 MST ON MAY 18	0.761 ON MAY 19	0 ON JUN 25	625	1983
1984	0.004 AT 18:50 MST ON APR 08	0.003 ON MAR 31	0 ON MAY 17	13.7	1984
1985	1.14 AT 08:40 MST ON MAY 31	0.833 ON MAY 31	0B ON MAR 01	415	1985
1986	3.86 B AT 14:30 MST ON FEB 25	0.816 ON MAY 24	0 ON JUL 11	971	1986
1987	0.093B AT 08:30 MST ON MAR 28	0.061 ON APR 02	0 ON MAY 14	142	1987
1988	0.015 AT 12:03 MST ON APR 05	0.014 ON APR 03	0 ON APR 09	22.6	1988
1989	0.664 AT 16:00 MST ON JUN 12	0.551 ON JUN 12	0B ON MAR 01	386	1989
1990	1.05 AT 18:10 MST ON MAY 26	0.925 ON MAY 27	0 ON JUL 26	2 710	1990
				1 450	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	9.57	---	---	---	---	1950
1951	---	---	---	---	---	12.2	25.6	15.9	5.67	2.62	---	---	---	1951
1952	---	---	---	---	---	15.6	20.6	17.9	6.35	4.00	---	---	---	1952
1953	---	---	---	---	---	14.8	21.9	15.7	7.76	3.23	---	---	---	1953
1954	---	---	---	---	---	16.0	25.6	17.7	10.9	---	---	---	---	1954
1955	---	---	---	---	---	14.1	24.6	14.5	9.05	---	---	---	---	1955
1956	---	---	---	---	---	17.3	20.8	17.0	7.71	---	---	---	---	1956
1957	---	---	---	---	---	15.1	15.7	12.4	8.09	---	---	---	---	1957
1958	---	---	---	---	---	20.3	21.3	20.6	8.89	---	---	---	---	1958
1959	---	---	---	---	---	17.5	22.2	12.5	7.97	3.01	---	---	---	1959
1960	---	---	---	---	2.74	11.7	25.0	16.2	7.74	3.14	---	---	---	1960
1961	---	---	---	---	8.90	25.5	18.0	18.9	7.10	4.06	---	---	---	1961
1962	---	---	---	---	4.65	13.1	16.5	16.5	7.14	3.17	---	---	---	1962
1963	---	---	---	---	---	16.4	21.3	20.2	14.4	5.50	---	---	---	1963
1964	---	---	---	---	3.29	21.7	25.2	15.0	8.72	5.77	---	---	---	1964
1965	---	---	---	---	4.41	16.8	25.3	24.4	10.7	7.35	---	---	---	1965
1966	---	---	---	0.874	6.63	12.6	22.5	17.9	11.2	4.80	2.21	0.894	---	1966
1967	0.729	0.852	0.979	0.933	4.47	22.7	23.4	18.7	14.0	5.48	2.14	1.20	8.00	1967
1968	0.850	0.465	0.322	0.829	5.18	16.4	21.8	14.8	8.64	3.11	1.99	1.02	6.29	1968
1969	0.814	0.712	0.656	2.14	7.10	20.1	16.9	14.9	7.01	2.69	1.72	0.970	6.33	1969
1970	0.607	0.583	0.639	0.734	3.26	19.1	20.1	16.8	6.12	2.10	1.20	0.688	6.03	1970
1971	0.565	0.557	0.534	1.04	7.34	16.1	16.7	21.0	7.69	2.63	1.46	0.747	6.41	1971
1972	0.680	0.464	0.533	0.700	7.49	23.4	17.7	18.9	7.16	2.82	1.37	0.936	6.87	1972
1973	0.801	0.756	0.798	0.799	6.62	14.6	17.6	15.3	6.50	2.87	1.70	1.01	5.82	1973
1974	0.765	0.880	0.791	1.10	3.92	20.0	19.9	16.1	8.36	3.03	2.07	1.16	6.52	1974
1975	0.756	0.516	0.481	0.804	3.04	9.75	23.5	12.6	6.02	2.98	2.15	1.09	5.35	1975
1976	0.835	0.849	0.825	1.20	7.88	9.04	22.7	20.5	13.0	4.13	1.29	1.02	7.04	1976
1977	0.691	0.677	0.591	1.27	5.21	15.9	25.1	17.4	5.46	2.15	1.34	0.898	5.60	1977
1978	0.652	0.409	0.303	0.756	3.69	15.9	24.4	15.5	12.5	3.55	2.10	1.25	6.76	1978
1979	0.743	0.630	0.660	0.641	4.64	15.8	21.3	17.4	9.97	4.23	1.60	1.02	6.60	1979
1980	0.611	0.434	0.406	2.31	11.9	18.0	17.4	11.1	5.84	4.05	1.42	1.07	6.24	1980
1981	0.903	0.544	0.537	0.701	9.72	10.6	22.6	19.6	9.08	2.58	1.40	1.10	6.68	1981
1982	0.615	0.551	0.752	0.710	3.45	19.3	21.1	16.4	12.3	3.52	1.79	1.10	6.83	1982
1983	0.852	0.672	0.697	0.839	4.85	13.8	19.6	18.8	6.96	2.84	2.55	1.23	6.19	1983
1984	0.810	0.714	0.593	1.16	2.25	14.2	20.7	20.3	7.89	3.70	1.08	0.881	6.21	1984
1985	0.700	0.617	0.789	0.865	6.94	12.5	21.2	13.4	6.60	2.93	0.997	0.720	5.73	1985
1986	0.596	0.660	0.945	1.24	8.38	23.2	17.0	15.2	7.29	2.75	1.57	0.832	6.67	1986
1987	0.529	0.547	0.697	1.01	7.66	16.3	17.9	11.6	8.55	2.76	1.22	0.812	5.83	1987
1988	0.475	0.449	0.471	1.74	9.55	19.2	15.2	15.1	8.28	4.16	1.87	0.774	6.12	1988
1989	0.780	0.568	0.555	0.816	5.49	17.4	20.0	17.8	6.01	3.11	1.95	0.992	6.33	1989
1990	0.848	0.697	0.581	1.28	4.89	17.6	23.3	18.7	8.89	3.45	2.20	1.14	7.00	1990
MEAN	0.717	0.617	0.631	1.06	5.73	16.6	20.8	16.8	8.51	3.55	1.68	0.980	6.39	MEAN

LOCATION - LAT 51 53 04 N
LONG 116 41 17 W
DRAINAGE AREA, 249 km²
NATURAL FLOW

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	36.2 AT 05:00 MST ON JUL 19	34.8 ON JUL 19	---	---	1951
1952	27.8 ON AUG 15	26.6 ON JUN 30	---	---	1952
1953	65.4 AT 05:00 MST ON JUL 15 *	58.6 ON JUL 15 *	---	---	1953
1954	38.5 AT 09:00 MST ON JUL 08	37.4 ON JUL 08	---	---	1954
1955	49.8 AT 07:00 MST ON JUL 18	49.0 ON JUL 18	---	---	1955
1956	33.7 AT 05:00 MST ON JUL 23	32.0 ON JUL 23	---	---	1956
1957	25.9 AT 12:00 MST ON JUN 08	25.0 ON JUN 08	---	---	1957
1958	36.2 AT 16:00 MST ON JUN 28	34.0 ON JUN 28	---	---	1958
1959	35.7 AT 09:00 MST ON JUL 25	34.8 ON JUL 25	---	---	1959
1960	34.0 AT 06:00 MST ON JUL 20	33.1 ON JUL 19	---	---	1960
1961	35.1 AT 16:00 MST ON JUN 07	34.3 ON JUN 07	---	---	1961
1962	27.9 AT 21:00 MST ON JUN 26	26.1 ON JUN 26	---	---	1962
1963	33.4 AT 06:00 MST ON JUL 09	32.6 ON JUL 09	---	---	1963
1964	35.7 AT 04:00 MST ON JUL 10	34.5 ON JUL 14	---	---	1964
1965	---	34.5 ON JUL 09	---	---	1965
1966	---	29.2A ON JUL 09	---	---	1966
1967	32.3 AT 12:00 MST ON JUL 05	31.4 ON JUN 22	0.671B ON JAN 17	252 000	1967
1968	36.2 AT 01:10 MST ON JUL 13	34.3 ON JUL 10	0.255B ON MAR 04 *	199 000	1968
1969	26.5 AT 08:52 MST ON JUN 21	25.9 ON JUN 21	0.510B ON MAR 11	200 000	1969
1970	26.1 AT 09:30 MST ON JUL 09	25.6 ON JUL 09	0.467B ON FEB 25	190 000	1970
1971	29.4 AT 08:00 MST ON JUL 24	29.2 ON AUG 09	0.510B ON FEB 21	202 000	1971
1972	41.1 AT 18:30 MST ON JUN 11	39.9 ON JUN 11	0.453B ON JAN 28	217 000	1972
1973	35.1 AT 21:40 MST ON JUN 24	31.7 ON JUN 24	0.736B ON FEB 09	184 000	1973
1974	44.5 AT 10:20 MST ON JUN 24	43.3 ON JUN 24	0.623B ON MAR 30	206 000	1974
1975	37.9 AT 07:00 MST ON JUL 16	36.2 ON JUL 16	0.481B ON FEB 10	169 000	1975
1976	31.4 AT 11:30 MST ON SEP 06	30.3 ON SEP 06	0.623B ON MAR 29	222 000	1976
1977	26.8 AT 06:00 MST ON JUN 09	24.8 ON JUN 09	0.530B ON MAR 15	177 000	1977
1978	30.9 AT 02:00 MST ON JUL 10	29.4 ON JUL 09	0.278B ON MAR 23	213 000	1978
1979	---	30.0E ON JUL 21	0.560B ON APR 05	208 000	1979
1980	31.4 AT 11:40 MST ON JUN 17	30.7 ON JUN 17	0.362B ON MAR 02	197 000	1980
1981	35.4 AT 03:25 MST ON JUL 15	33.6 ON JUL 15	0.475B ON FEB 10	211 000	1981
1982	34.6 AT 08:00 MST ON JUL 22	33.8 ON JUL 22	0.475B ON FEB 10	216 000	1982
1983	36.4 AT 10:25 MST ON JUL 14	35.6 ON JUL 14	0.440B ON APR 15	195 000	1983
1984	43.8 AT 03:00 MST ON JUN 30	39.5 ON JUN 30	0.510B ON MAR 16	196 000	1984
1985	29.5 AT 09:05 MST ON JUL 11	28.9 ON JUL 11	0.420B ON JAN 31	181 000	1985
1986	42.0E AT 06:35 MST ON JUN 02	41.0A ON MAY 30	0.480B ON FEB 18	210 000	1986
1987	29.2 AT 13:55 MST ON JUL 05	28.5 ON JUL 05	0.307B ON JAN 21	184 000	1987
1988	40.2 AT 08:51 MST ON JUN 08	37.3 ON JUN 08	0.300B ON JAN 05	194 000	1988
1989	34.8 AT 17:29 MST ON JUN 15	33.5 ON JUN 15	0.385B ON JAN 01	200 000	1989
1990	33.7 AT 06:04 MST ON JUL 14	32.7 ON JUL 14	0.518B ON APR 10	221 000	1990
				202 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MODESTE CREEK NEAR BRETON - STATION NO. 05DE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.434	---	---	---	---	---	1972
MEAN	---	---	---	---	---	---	---	0.434	---	---	---	---	---	MEAN

LOCATION - LAT 53 06 15 N, LONG 114 30 34 W
DRAINAGE AREA, 374 km²
NATURAL FLOW

MODESTE CREEK NEAR BRETON - STATION NO. 05DE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
				---	MEAN

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0.001	0.004	0	0	0	---	---	---	1983
1984	---	---	0.032	0.007	0.001	0.001	0	0.029	0.003	0.001	---	---	0.009	1984
1985	---	---	0.003	1.70	0.137	0.017	0	0	0	0	---	---	0.228	1985
1986	---	---	0.071	0.003	0.000	0	0.078	0.005	0	0	---	---	0.021	1986
1987	---	---	---	0.037	0.002	0	0	0	0	0	---	---	---	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.009	0	0	0	0	0	0	---	---	0.001	1989
1990	---	---	0.051	0.027	0	0	0	0	0	0	---	---	0.010	1990
MEAN	---	---	0.026	0.255	0.021	0.002	0.010	0.004	0	0	---	---	0.045	MEAN

LOCATION - LAT 51 52 26 N, LONG 110 45 37 W
DRAINAGE AREA, 910 km²
NATURAL FLOW

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0A ON MAY 30 *	---	1983
1984	2.47 AT 22:43 MST ON AUG 03	0.555 ON AUG 04	0B ON MAR 01	196	1984
1985	---	4.98 B ON APR 07 *	0B ON MAR 01	4 830	1985
1986	5.33 AT 01:51 MST ON JUL 27 *	1.44 ON JUL 27	0A ON MAY 27	442	1986
1987	---	---	0 ON MAY 12	---	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	---	0.041B ON APR 04	0B ON MAR 01	23.8	1989
1990	---	0.300B ON MAR 29	0B ON MAR 01	208	1990
				950	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	0	0.234	0.058	0.039	0.004	0.061	0.160	0.026	---	---	0.072	1954
1955	---	---	0.114	0.315	0.167	0.020	0.003	0.004	0	0.005	---	---	0.078	1955
1956	---	---	0	4.34	0.564	0.108	0.181	0.044	0.066	0.037	---	---	0.658	1956
1957	---	---	0.141	0.222	0.037	0.009	0	0.014	0.017	0.016	---	---	0.057	1957
1958	---	---	0	1.86	0.045	0.013	0.005	0.011	0	0	---	---	0.237	1958
1959	---	---	0.100	0.017	0.005	0	0	0	0	0.001	---	---	0.015	1959
1960	---	---	0.259	0.024	0	0	0	0	0	0	---	---	0.036	1960
1961	---	---	0.013	0.010	0.002	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0.263	0	0	0.590	0.039	0.008	0	---	---	0.113	1962
1963	---	---	0.749	0.104	0.015	0.050	0.530	0.007	0	0	---	---	0.103	1963
1964	---	---	0	0.006	0.034	0.001	0	0	0.001	0	---	---	0.005	1964
1965	---	---	0	5.18	0.139	0.138	0.082	0.001	0	0.028	---	---	0.691	1965
1966	---	---	0.059	0.056	0.003	0.006	0	0.033	0	0.005	---	---	0.020	1966
1967	---	---	0	0.780	0.297	0.035	0	0	0	0	---	---	0.137	1967
1968	---	---	0.408	0.104	0.004	0.002	0	0	0.005	0	---	---	0.066	1968
1969	---	---	0	3.56	0.100	0	0.004	0	0.027	0	---	---	0.452	1969
1970	---	---	0	1.33	0.051	0.005	0.007	0	0.011	0	---	---	0.172	1970
1971	---	---	0	2.53	0.533	0	0	0.042	0	0	---	---	0.302	1971
1972	---	---	0.005	0.173	0.004	0	0.016	0.004	0.021	0.024	---	---	0.030	1972
1973	---	---	0.026	0.098	0.008	0.949	0.034	0	0	0.025	---	---	0.140	1973
1974	---	---	0	3.80	1.53	0.090	0.001	0.052	0	0.048	---	---	0.683	1974
1975	---	---	0	0.591	0.552	0.069	0.004	0	0.113	0.020	---	---	0.168	1975
1976	---	---	0.114	0.503	0.025	0.011	0.037	0	0	0.002	---	---	0.085	1976
1977	---	---	0.001	0.035	0.496	0.001	0	0	0	0	---	---	0.067	1977
1978	---	---	0.295	0.236	0.003	0.006	0	0	0	0	---	---	0.067	1978
1979	---	---	0.656	0.050	0.029	0	0	0	0	0	---	---	0.093	1979
1980	---	---	0.005	0.068	0	0.003	0.002	0	0	0	---	---	0.010	1980
1981	---	---	0.173	0.071	0.019	0	0	0	0	0	---	---	0.033	1981
1982	---	---	0	0.067	0.012	0.005	0.159	0.003	0	0	---	---	0.031	1982
1983	---	---	0.065	0.064	0.023	0.024	0.067	0.003	0	0	---	---	0.031	1983
1984	---	---	0.104	0.054	0.001	0.017	0.002	0	0.023	0.015	---	---	0.027	1984
1985	---	---	0.375	3.70	0.047	0.014	0	0	0	0	---	---	0.508	1985
1986	---	---	0.334	0.045	0.015	0	0.003	0	0.094	0.003	---	---	0.062	1986
1987	---	---	0.060	0.101	0.002	0	0	0	0	0	---	---	0.020	1987
1988	---	---	0	0.006	0.004	0	0	0	0	0	---	---	0.001	1988
1989	---	---	0	0.013	0.002	0	0.003	0	0	0	---	---	0.002	1989
1990	---	---	0.270	0.121	0	0	0	0	0	0	---	---	0.049	1990
MEAN	---	---	0.117	0.831	0.132	0.044	0.047	0.009	0.015	0.007	---	---	0.148	MEAN

LOCATION - LAT 51 58 10 N LONG 110 34 30 W DRAINAGE AREA, 1 440 km^2 REGULATED

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	1.78 B AT 07:45 MST ON APR 14	1.61 B ON APR 14	0B ON MAR 01 *	1 520	1954
1955	2.10 B AT 08:15 MST ON MAR 31	1.95 B ON MAR 31	0B ON MAR 01	1 650	1955
1956	20.3 B AT 21:00 MST ON APR 15 *	18.5 B ON APR 15	0B ON MAR 01	13 900	1956
1957	0.906B AT 13:30 MST ON MAY 25	0.793B ON MAR 24	0B ON MAR 01	1 200	1957
1958	13.1 B AT 10:00 MST ON APR 05	12.7 B ON APR 05	0B ON MAR 01	8 620	1958
1959	0.396B AT 09:00 MST ON MAR 18	0.366B ON MAR 18	0B ON MAR 01	327	1959
1960	---	2.10 B ON MAR 21	0B ON MAR 01	755	1960
1961	0.116 AT 18:30 MST ON APR 03	0.108 ON APR 04	0B ON MAR 01	66.5	1961
1962	5.92 AT 12:00 MST ON JUL 15	4.30 ON JUL 15	0B ON MAR 01	2 390	1962
1963	---	2.70 ON JUL 10	0B ON MAR 01	3 880	1963
1964	---	0.173 ON MAY 07	0B ON MAR 01	111	1964
1965	---	25.9 ON APR 12 *	0B ON MAR 01	14 600	1965
1966	---	0.861B ON MAR 31	0B ON MAR 01	428	1966
1967	---	3.09 ON APR 30	0B ON MAR 01	2 910	1967
1968	---	3.06 B ON MAR 01	0B ON MAR 14	1 390	1968
1969	---	15.1 ON APR 09	0B ON MAR 01	9 570	1969
1970	---	6.09 B ON APR 11	0B ON MAR 01	3 640	1970
1971	---	10.7 B ON APR 15	0B ON MAR 01	8 090	1971
1972	---	0.500B ON APR 08	0B ON MAR 01	641	1972
1973	---	9.34 ON JUN 16	0B ON MAR 01	2 960	1973
1974	---	17.1 ON APR 21	0B ON MAR 01	14 500	1974
1975	---	3.23 B ON APR 24	0B ON MAR 01	3 550	1975
1976	2.81 B AT 02:30 MST ON APR 01	2.57 B ON APR 01	0B ON MAR 01	1 810	1976
1977	3.06 AT 12:00 MST ON MAY 12	2.15 ON MAY 12	0B ON MAR 01	1 420	1977
1978	---	1.81 B ON MAR 29	0B ON MAR 01	1 420	1978
1979	---	2.95 B ON MAR 17	0 ON MAR 01	1 970	1979
1980	0.320 AT 08:00 MST ON APR 04	0.202B ON APR 04	0B ON MAR 01	202	1980
1981	---	0.760B ON MAR 16	0B ON MAR 01	701	1981
1982	2.79 AT 10:28 MST ON JUL 03	2.02 ON JUL 03	0B ON MAR 01	652	1982
1983	---	0.637B ON MAR 30	0B ON MAR 01	648	1983
1984	---	0.663B ON MAR 26	0B ON MAR 01	572	1984
1985	12.2 AT 22:55 MST ON APR 03	11.0 ON APR 04	0B ON MAR 01	10 700	1985
1986	---	1.51 B ON MAR 05	0 ON MAY 29	1 310	1986
1987	1.05 B AT 06:25 MST ON APR 01	0.661B ON MAR 28	0B ON MAR 01	429	1987
1988	0.029 AT 23:55 MST ON APR 05	0.027 ON APR 06	0 ON MAR 01	24.9	1988
1989	0.373 AT 14:55 MST ON APR 28	0.118 ON APR 28	0B ON MAR 01	46.0	1989
1990	---	1.05 B ON MAR 30	0B ON MAR 01	1 040	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 140	MEAN

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.156	0.060	---	---	---	1975
1976	---	---	0	2.19	0.351	1.76	1.17	1.23	0.279	0.204	---	---	0.916	1976
1977	---	---	0.001	1.90	1.80	3.56	0.281	0.062	0.052	0.135	---	---	0.964	1977
1978	---	---	0	0.607	2.48	0.251	0.012	0	0.093	0.111	---	---	0.319	1978
1979	---	---	0	1.02	2.34	1.47	1.90	0.263	0.086	0.061	---	---	0.894	1979
1980	---	---	0.001	0.189	0.069	0.160	0.095	0.012	0.072	0.060	---	---	0.082	1980
1981	---	---	0.001	2.23	1.53	0.349	0.199	0.016	0	0	---	---	0.537	1981
1982	---	---	0	0.885	1.58	0.051	0	0.021	0.001	0.001	---	---	0.314	1982
1983	---	---	0	0.617	0.304	0.741	1.50	0.616	0.014	0.034	---	---	0.476	1983
1984	---	---	0.088	0.631	3.58	0.602	0.798	0.040	0.063	0.048	---	---	0.734	1984
1985	---	---	0.006	1.46	0.590	0.107	0.079	0.013	0.187	0.335	---	---	0.344	1985
1986	---	---	0.090	1.33	1.97	0.111	0.063	0.065	0.006	0.012	---	---	0.455	1986
1987	---	---	0	1.51	0.273	0.619	0.062	1.08	0.079	0.023	---	---	0.452	1987
1988	---	---	0.003	0.828	1.85	2.05	5.94	0.207	0.103	0.039	---	---	1.38	1988
1989	---	---	0	2.02	1.81	0.517	0.123	0.185	0.132	0.197	---	---	0.620	1989
1990	---	---	0.026	2.64	1.26	1.15	0.368	0.003	0.001	0	---	---	0.674	1990
MEAN	---	---	0.014	1.34	1.40	0.900	0.839	0.254	0.083	0.083	---	---	0.611	MEAN

LOCATION - LAT 56 23 00 N LONG 118 42 40 W DRAINAGE AREA, 230 km^2 NATURAL FLOW

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	12.1 AT 19:30 MST ON JUN 28	11.2 ON JUN 28	0B ON MAR 01 *	19 400	1976
1977	10.2 AT 13:00 MST ON JUN 11	9.74 ON JUN 11	0B ON MAR 01	20 400	1977
1978	3.37 AT 02:30 MST ON MAY 02	3.26 ON MAY 01	0B ON MAR 01	6 760	1978
1979	9.36 AT 13:00 MST ON APR 30	9.08 ON APR 30	0B ON MAR 01	18 900	1979
1980	0.852B AT 08:00 MST ON APR 18	0.584 ON JUN 18	0B ON MAR 01	1 730	1980
1981	10.5 B AT 00:00 MST ON APR 23	9.01 B ON APR 23	0B ON MAR 01	11 400	1981
1982	5.98 AT 13:00 MST ON APR 26	5.70 ON APR 26	0B ON MAR 01	6 650	1982
1983	8.39 AT 13:30 MST ON JUL 29	8.01 ON JUL 29	0B ON MAR 01	10 100	1983
1984	30.6 AT 15:30 MST ON MAY 22 *	26.9 ON MAY 22 *	0B ON MAR 01	15 500	1984
1985	4.63 AT 04:30 MST ON APR 15	4.37 ON APR 14	0B ON MAR 01	7 270	1985
1986	4.06 B AT 15:00 MST ON APR 05	3.58 ON MAY 15	0B ON MAR 01	9 640	1986
1987	7.54 AT 02:00 MST ON APR 12	6.61 ON APR 12	0B ON MAR 01	9 560	1987
1988	19.9 AT 03:30 MST ON JUL 14	18.0 ON JUL 14	0B ON MAR 01	29 300	1988
1989	9.33 AT 00:30 MST ON APR 22	8.25 ON APR 21	0B ON MAR 01	13 100	1989
1990	5.80 B AT 00:00 MST ON APR 07	5.15 B ON APR 06	0B ON MAR 01	14 300	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 900	MEAN

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.002	0.007	0.008	0.015	---	---	---	1978
1979	---	---	0.004	0.278	0.306	0.134	0.065	0.009	0.010	0.006	---	---	0.101	1979
1980	---	---	0.001	0.144	0.016	0.005	0.007	0.012	0.011	0.016	---	---	0.026	1980
1981	---	---	0.068	0.157	0.009	0.011	0.050	0.004	0	0	---	---	0.037	1981
1982	---	---	0	0.133	0.066	0.001	0.071	0.027	0.004	0	---	---	0.038	1982
1983	---	---	0	0.031	0.024	0.012	0.079	0.004	0.029	0.006	---	---	0.023	1983
1984	---	---	0.028	0.077	0.082	0.100	0.002	0.001	0.002	0.002	---	---	0.036	1984
1985	---	---	0	0.376	0.159	0.105	0.010	0.014	0	0.002	---	---	0.082	1985
1986	---	---	0.062	0.199	0.289	0.025	0.226	0.036	0.003	0.001	---	---	0.105	1986
1987	---	---	0.007	0.437	0.079	0.014	0.003	0	0	0	---	---	0.066	1987
1988	---	---	0.003	0.008	0.010	0.031	0.047	0.010	0.006	0.003	---	---	0.015	1988
1989	---	---	0	0.059	0.001	0.043	0.019	0.002	0.008	0.009	---	---	0.017	1989
1990	---	---	0.014	0.233	0.071	0.008	0.036	0.005	0	0	---	---	0.045	1990
MEAN	---	---	0.016	0.178	0.093	0.041	0.047	0.010	0.006	0.005	---	---	0.049	MEAN

LOCATION - LAT 53 56 03 N DRAINAGE AREA, 36.5 km^2
LONG 110 46 36 W NATURAL FLOW

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.12 ON APR 24	0.001E ON MAR 01	2 130	1979
1980	---	0.490 ON APR 15	0 ON JUN 07 *	551	1980
1981	1.32 AT 00:30 MST ON MAR 30	0.590B ON MAR 31	0 ON JUN 04	788	1981
1982	---	0.555B ON APR 25	0 B ON MAR 01	797	1982
1983	0.381 AT 07:58 MST ON JUL 26	0.302 ON JUL 26	0 B ON MAR 01	491	1983
1984	2.24 AT 10:27 MST ON MAY 22 *	0.358 ON MAY 18	0 B ON MAR 01	769	1984
1985	1.22 AT 12:22 MST ON APR 27	1.13 ON APR 27	0 B ON MAR 01	1 740	1985
1986	1.47 AT 02:02 MST ON JUL 15	1.25 ON JUL 15 *	0.001B ON MAR 01	2 230	1986
1987	1.50 AT 16:01 MST ON APR 15	1.09 ON APR 15	0 B ON MAR 01	1 410	1987
1988	0.273 AT 10:13 MST ON AUG 22	0.104 ON JUL 06	0 B ON MAR 01	312	1988
1989	---	0.203B ON APR 07	0 B ON MAR 01	365	1989
1990	1.11 B AT 08:29 MST ON APR 03	0.739B ON APR 03	0 ON AUG 09	961	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 050	MEAN

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	---	0.018	0.010	---	1980
1981	0	0	0.050	1.68	1.20	0.197	0.013	0.007	0.001	0.002	0.001	0	0.390	1981
1982	0	0	0	0.084	0.025	0.012	0.037	0.033	0.014	0.008	0.008	0.005	0.027	1982
1983	0	0	0	0.012	0.004	0.013	0.036	0.008	0.002	0.003	0.007	0.003	0.010	1983
1984	0.001	0	0.009	0.020	0.004	0.036	0.002	0.003	0.006	0.007	0.002	0.001	0.011	1984
1985	0	0	0	0.084	0.099	0.006	0	0	0	0	0	0	0.024	1985
1986	0	0	0	0	0	0	0	0	0	0	0	0	0	1986
1987	0	0	0	0	0.003	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	0	0	0.006	0.188	0.134	0.026	0.009	0.005	0.002	0.002	0.005	0.003	0.046	MEAN

LOCATION - LAT 54 19 26 N DRAINAGE AREA, 1 010 km^2
LONG 110 57 46 W NATURAL FLOW

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---		---	1980
1981	2.36 AT 04:00 MST ON APR 22 *	2.32 ON APR 22 *	0.025E ON OCT 28	---	1981
1982	---	0.370B ON APR 25	0 B ON MAR 01 *	8 260	1982
1983	---	0.160 ON JUL 02	0 B ON MAR 01	562	1983
1984	---	0.123B ON OCT 25	0 B ON MAR 01	204	1984
1985	0.278 AT 15:59 MST ON APR 26	0.231 ON MAY 05	0 B ON MAR 01	226	1985
1986	---	0 ON MAR 01	0 ON MAR 01	499	1986
1987	0.044 AT 17:39 MST ON MAY 17	0.012 ON MAY 17	0 B ON MAR 01	0	1987
1988	---	0 B ON MAR 01	0 B ON MAR 01	7.95	1988
1989	---	0 B ON MAR 01	0 B ON MAR 01	0	1989
1990	0	0 B ON MAR 01	0 B ON MAR 01	0	1990
				976	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR NANTON - STATION NO. 05AC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.24	0.727	0.696	---	---	---	1908
1909	---	---	---	---	4.24	0.970	1.17	0.266	0.166	0.199	---	---	---	1909
1910	---	---	---	0.525	0.152	0.037	0	0	0.050	0.048	---	---	0.115	1910
1911	---	---	---	0.201	0.232	0.061	0.078	0.251	0.188	0.142	---	---	0.165	1911
1912	---	---	---	---	---	---	0.873	0.580	0.497	0.404	---	---	---	1912
1913	---	---	---	---	0.547	0.880	1.02	0.879	0.199	0.206	---	---	---	1913
1914	---	---	---	1.23	0.300	0.082	0.014	0	0	0.225	---	---	0.263	1914
1915	---	---	---	0.146	2.08	7.27	6.46	2.96	1.28	1.01	---	---	3.03	1915
1916	---	---	---	2.30	2.24	6.13	2.44	2.44	4.31	2.54	---	---	3.18	1916
1917	---	---	---	4.35	4.86	10.8	2.43	1.23	0.786	0.503	---	---	3.54	1917
1918	---	---	---	1.45	0.339	0.084	0.019	0.271	0.049	0.041	---	---	0.319	1918
1919	---	---	0.036	0.615	0.134	0.013	0	0	0.002	0.008	---	---	0.109	1919
MEAN	---	---	0.036	1.35	1.51	2.63	1.32	0.843	0.688	0.502	---	---	1.34	MEAN

LOCATION - LAT 50 22 34 N, LONG 113 49 39 W
DRAINAGE AREA, 522 km^2
NATURAL FLOW

MOSQUITO CREEK NEAR NANTON - STATION NO. 05AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	26.4 ON MAY 24	---	---	1909
1910	---	1.32 ON APR 01	0 ON JUL 05 *	2 130	1910
1911	---	1.61 ON MAY 13	0.003 ON JUN 19	3 050	1911
1912	---	4.45 ON JUN 16	---	---	1912
1913	---	4.76 ON AUG 09	---	---	1913
1914	---	2.46 ON APR 04	0 ON JUL 17	4 850	1914
1915	---	44.5 ON JUN 26 *	0.102 ON APR 03	56 100	1915
1916	---	24.0 ON SEP 04	0.481 ON APR 26	58 900	1916
1917	---	33.1 ON JUN 11	0.057B ON APR 01	65 500	1917
1918	---	5.13 ON APR 15	0.002 ON AUG 03	5 900	1918
1919	---	1.42B ON APR 05	0 ON JUN 14	2 020	1919
				24 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.207	0.982	0.484	0.924	0.909	0.513	0.471	0.313	---	---	0.598	1982
1983	---	---	0.358	0.488	0.517	0.679	0.660	0.351	0.172	0.179	---	---	0.425	1983
1984	---	---	0.086	0.160	0.379	0.828	0.819	0.487	0.346	0.218	---	---	0.415	1984
1985	---	---	0.183	0.126	0.721	0.989	0.995	0.704	0.858	0.484	---	---	0.632	1985
1986	---	---	0.259	0.074	0.364	1.05	1.10	0.743	0.782	0.360	---	---	0.601	1986
1987	---	---	0.087	0.290	0.764	0.981	1.21	0.820	0.704	0.428	---	---	0.661	1987
1988	---	---	0.031	0.226	0.941	1.11	1.14	0.750	0.532	0.314	---	---	0.631	1988
1989	---	---	0.169	0.206	0.505	1.01	1.13	0.717	0.666	0.365	---	---	0.595	1989
1990	---	---	0.086	0.042	0.601	1.05	1.23	0.416	0.306	0.110	---	---	0.480	1990
MEAN	---	---	0.163	0.288	0.586	0.958	1.03	0.611	0.537	0.308	---	---	0.560	MEAN

LOCATION - LAT 50 15 20 N, LONG 113 33 15 W
DRAINAGE AREA, 838 km^2
REGULATED

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	5.87 AT 10:56 MST ON JUL 01	4.67 ON JUL 01 *	0 B ON MAR 01 *	12 700	1982
1983	---	1.39B ON MAR 12	0.099B ON MAR 30	9 000	1983
1984	1.26 AT 16:58 MST ON JUL 18	1.12 ON JUL 30	0 B ON MAR 01	8 790	1984
1985	2.91 AT 18:32 MST ON SEP 13	2.42 ON SEP 13	0.034 ON MAY 08	13 400	1985
1986	35.6 AT 08:03 MST ON FEB 26 *	1.49 ON JUL 28	0.028 ON MAY 02	12 700	1986
1987	2.43 AT 18:18 MST ON APR 03	1.75 ON JUL 11	0 B ON MAR 01	14 000	1987
1988	2.15 AT 19:42 MST ON JUN 07	1.61 ON JUL 24	0.006B ON MAR 04	13 400	1988
1989	1.71 AT 15:23 MST ON JUL 30	1.60 ON JUL 30	0 B ON MAR 01	12 600	1989
1990	2.65 AT 05:31 MST ON JUN 05	2.34 ON JUN 05	0.011B ON MAR 07	10 200	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 900	MEAN

MOUNTAIN VIEW CANAL BELOW MAMI CREEK - STATION NO. 05AD023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.004	0.006	0.988	0.597	0.365	0.806	0.017	0.001	---	0.346	1961
1962	---	---	0.008	0.028	0.002	0.869	0.402	0.397	0.486	0.311	0.016	---	0.313	1962
1963	---	---	---	0.001	0.653	0.556	0.235	0.776	0.844	0.106	0.090	---	0.408	1963
1964	---	---	---	0.005	0.008	0.047	0.498	1.00	0.265	0.291	0.088	---	0.278	1964
1965	---	---	---	0.006	0.009	0.169	0.018	0.348	0.155	0.123	0.038	---	0.106	1965
1966	---	---	---	0.008	0.047	0.306	0.144	0.571	0.597	0.185	0	---	0.232	1966
1967	---	---	---	0.008	0.049	0.015	0.153	0.835	0.945	0.293	0	---	0.288	1967
1968	---	---	---	0.007	0.004	0.220	0.196	0.017	0.016	0.003	0.012	---	0.060	1968
1969	---	---	---	0.012	0.145	0.193	0.054	0.589	0.943	0.206	0	---	0.267	1969
1970	---	---	---	0	0.007	0.123	0.280	0.436	0.633	0.464	0.002	---	0.244	1970
1971	---	---	---	0.011	0.199	0.363	0.278	0.777	0.784	0.185	0	---	0.325	1971
1972	---	---	---	0.006	0.009	0.057	0.108	0.172	0.275	0.471	0.011	---	0.150	1972
1973	---	---	---	0.003	0.221	0.902	0.552	0.834	0.694	0.142	0	---	0.419	1973
1974	---	---	0	0.006	0.007	0.177	0.678	0.583	0.254	0.256	0.134	---	0.264	1974
MEAN	---	---	0.004	0.008	0.098	0.356	0.305	0.550	0.550	0.218	0.028	---	0.264	MEAN

LOCATION - LAT 49 06 27 N
LONG 113 37 47 W REGULATED

MOUNTAIN VIEW CANAL BELOW MAMI CREEK - STATION NO. 05AD023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	1.59 ON JUN 17 *	0 ON MAY 22 *	7 300	1961
1962	---	1.38 ON JUN 12	0 ON MAY 04	6 600	1962
1963	---	1.52 ON SEP 08	0 ON APR 13	8 610	1963
1964	---	1.50 ON AUG 18	0B ON APR 01	5 860	1964
1965	---	1.09 ON AUG 20	0B ON APR 01	2 280	1965
1966	---	1.16 ON SEP 18	0 ON MAY 19	4 900	1966
1967	---	1.19 ON SEP 01	0B ON APR 01	6 070	1967
1968	---	0.748 ON JUN 29	0 ON MAY 19	1 260	1968
1969	---	1.14 ON SEP 12	0B ON APR 01	5 640	1969
1970	---	1.19 ON AUG 25	0B ON APR 01	5 140	1970
1971	---	1.18 ON AUG 19	0 ON APR 01	6 850	1971
1972	---	0.841 ON OCT 20	0E ON NOV 14	3 160	1972
1973	---	1.11 ON JUN 14	0 ON MAY 10	8 830	1973
1974	---	1.49 ON AUG 10	0E ON APR 01	5 560	1974
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 580	MEAN

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	----	----	----	0.001	0.019	0.891	0.759	0.126	0.102	0	0	----	0.237	1935
1936	----	----	----	0	0.771	0.937	0.891	0.115	0	0	0	----	0.337	1936
1937	----	----	----	0	1.27	0.488	0.938	0.816	0.581	0.054	0	----	0.522	1937
1938	----	----	0.179	0.165	0.125	0.287	0.341	0.606	0.546	0.351	0	----	0.304	1938
1939	----	----	----	0	0.730	0.275	0.995	0.644	0.621	0.068	0	----	0.420	1939
1940	----	----	----	0.618	1.04	0.916	0.854	0.539	0.635	0	0	----	0.576	1940
1941	----	----	----	0	0.689	0.852	0.684	0.320	0.901	0	0	----	0.428	1941
1942	----	----	----	0	0	0	0	0	0	0	0	----	0	1942
1943	----	----	----	0.322	0.205	0.230	0.083	0.231	0.656	0.656	0.414	----	0.349	1943
1944	----	----	----	0.258	1.34	1.21	1.05	0.730	0.777	0.646	0.364	----	0.799	1944
1945	----	----	----	0	0.106	0.259	0.091	0.420	0.817	0.691	0.351	----	0.342	1945
1946	----	----	----	0	0.747	0.767	0.046	0.128	0.009	0.446	0	----	0.269	1946
1947	----	----	----	0.144	0.527	1.25	0.970	0.618	0.401	0	0	----	0.490	1947
1948	----	----	----	0	0.342	0.303	0.013	0.004	0.390	0.011	0.158	----	0.177	1948
1949	----	----	----	0.232	1.02	0	0.191	0.120	0	0	1.49	----	0.381	1949
1950	----	----	----	0	0.100	0.563	1.68	0.067	1.64	1.31	0	----	0.672	1950
1951	----	----	----	0	0	0.184	0.180	0.521	0.047	0.105	0	----	0.131	1951
1952	----	----	----	0	0.284	1.17	0.500	0.486	0.880	0.699	0.111	----	0.516	1952
1953	----	----	0.003	0.109	0.327	0.385	0.133	0.905	0.934	1.11	0.231	----	0.519	1953
1954	----	----	0.028	0.065	0.211	0.292	1.57	0.032	0.013	0.013	0	----	0.278	1954
1955	----	----	0	0	0.221	0.279	0.201	0.213	1.12	0.725	0.016	----	0.347	1955
1956	----	----	----	0	0.212	2.50	0.951	1.08	1.21	0.111	0	----	0.756	1956
1957	----	----	0	0.014	1.20	1.97	0.592	1.77	1.51	0.739	0	----	0.976	1957
1958	----	----	----	0.031	0.483	1.16	0.109	0.947	0.677	1.86	0.025	----	0.664	1958
1959	----	----	0.003	0.056	0.127	0.669	1.63	0.854	2.18	0.220	0	----	0.716	1959
1960	----	----	----	0.283	0.143	1.28	2.84	1.20	0.921	1.34	0.104	----	1.02	1960
1961	----	----	0.018	0.584	1.39	3.10	1.88	1.33	1.38	0.815	0.001	----	1.31	1961
1962	----	----	0.051	0.131	0.044	2.18	2.14	0.839	2.03	0.004	0.226	----	0.946	1962
1963	----	----	0.002	0.882	2.99	2.68	1.75	2.11	1.96	0.776	0.644	----	1.66	1963
1964	----	----	0	0.017	0.215	0.755	1.57	2.20	2.59	0.793	0.724	----	1.11	1964
1965	----	----	0	0.088	0.485	0.479	0.142	2.69	0.518	0.014	0.319	----	0.596	1965
1966	----	----	0.016	0.071	0.316	0.436	1.51	1.50	2.49	0.715	0.104	----	0.896	1966
1967	----	----	----	0.024	0.448	0.383	1.08	1.36	1.66	2.10	0.154	----	1.16	1967
1968	----	----	----	0.037	0.965	0.888	1.06	1.38	0.408	0.126	0.063	----	0.621	1968
1969	----	----	----	0.084	0.199	1.81	0.539	1.59	1.17	0.009	0.002	----	0.674	1969
1970	----	----	----	0	2.59	1.55	1.29	2.58	2.03	0.581	0.035	----	1.34	1970
1971	----	----	----	0.030	1.48	0.971	2.00	1.81	2.30	0.318	0.002	----	1.12	1971
1972	----	----	----	0.080	0.103	0.052	0.947	0.914	1.31	0.781	0.003	----	0.526	1972
1973	----	----	----	0.087	0.933	2.84	2.76	2.62	1.83	0.879	0	----	1.50	1973
1974	----	----	----	0.036	0.171	1.24	2.27	2.56	0.888	0.606	0.221	----	1.01	1974
1975	----	----	----	0.044	0.557	0.317	0.080	1.72	1.23	0.603	0.001	----	0.572	1975
1976	----	----	----	0.066	0.202	1.01	1.40	1.28	1.26	1.11	0.002	----	0.794	1976
1977	----	----	----	0.375	2.77	3.32	3.18	1.31	0.990	0.504	0	----	1.56	1977
1978	----	----	----	0.020	0.066	0.431	0.889	0.950	0.349	0.402	0	----	0.391	1978
1979	----	----	----	0.084	0.155	1.24	2.06	0.825	1.35	0.190	0.146	----	0.756	1979
1980	----	----	----	0.715	2.21	0.102	1.55	1.37	1.01	0.753	0.027	----	0.974	1980
1981	----	----	----	0.043	0.379	0.176	1.10	1.59	1.67	0.720	0.006	----	0.714	1981
1982	----	----	----	0.013	0.155	1.29	1.18	2.81	1.75	0.690	0.005	----	0.990	1982
1983	----	----	----	0.034	0.541	2.39	1.97	2.34	2.08	0.592	0.069	----	1.25	1983
1984	----	----	----	0.005	1.54	2.29	2.81	2.64	1.54	0.464	0	----	1.42	1984
1985	----	----	----	0.090	1.76	2.29	2.67	2.21	0.689	0.252	0.024	----	1.26	1985
1986	----	----	----	0.040	0.314	1.40	2.40	2.34	0.622	0.034	0.011	----	0.900	1986
1987	----	----	----	0.068	1.40	2.34	1.74	0.657	0.502	0.349	0.291	----	0.921	1987
1988	----	----	----	0.469	1.72	2.51	2.56	2.60	1.55	0.822	0.005	----	1.54	1988
1989	----	----	----	0.016	0.810	0.469	1.81	2.03	0.340	0.625	0.005	----	0.772	1989
1990	----	----	----	0.101	0.165	0.294	1.37	2.18	1.73	0.601	0.002	----	0.811	1990
MEAN	----	----	0.025	0.118	0.706	1.08	1.20	1.25	1.05	0.507	0.114	----	0.756	MEAN

LOCATION - LAT 49 06 00 N
LONG 113 41 30 W

REGULATED

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	----	1.20 ON JUN 09	0 ON APR 01 *	5 000	1935
1936	----	1.64 ON JUN 01	0 ON APR 01	7 110	1936
1937	----	1.76 ON JUL 05	0 ON APR 01	11 000	1937
1938	----	1.31 ON AUG 19	0 ON AUG 11	6 400	1938
1939	----	1.59 ON JUL 06	0 ON APR 01	8 850	1939
1940	----	2.04 ON APR 22	0 E ON OCT 01	12 100	1940
1941	----	1.33 ON SEP 14	0 ON APR 01	9 020	1941
1942	----	0 ON APR 01	0 ON APR 01	0	1942
1943	----	2.12 ON APR 05	0 ON JUL 16	7 350	1943
1944	----	1.70 ON JUN 17	0 ON APR 01	16 800	1944
1945	----	1.10 ON SEP 23	0 ON APR 01	7 200	1945
1946	----	1.27 ON JUN 06	0 ON APR 01	5 670	1946
1947	----	1.39 ON JUN 06	0 E ON OCT 01	10 300	1947
1948	----	1.26 ON JUN 17	0 ON APR 01	3 730	1948
1949	----	2.52E ON NOV 12	0 ON APR 01	8 020	1949
1950	----	3.62 ON JUL 03	0 ON APR 01	14 200	1950
1951	----	1.10 ON AUG 19	0 ON APR 01	2 760	1951
1952	----	1.93 ON JUN 07	0 ON APR 01	10 900	1952
1953	----	2.15 ON AUG 24	0.003B ON APR 24	10 900	1953
1954	----	2.66 ON JUL 06	0 ON NOV 03	5 850	1954
1955	----	2.94 ON SEP 05	0 B ON APR 01	7 320	1955
1956	----	3.51 ON JUN 15	0 ON APR 01	15 900	1956
1957	----	4.02 ON AUG 16	0 B ON APR 01	20 600	1957
1958	----	3.57 ON AUG 21	0 B ON APR 05	14 000	1958
1959	----	3.45 ON JUL 23	0 B ON APR 01	15 100	1959
1960	----	4.05 ON JUN 30	0 ON AUG 14	21 500	1960
1961	----	4.39 ON JUN 09	0 ON AUG 31	27 700	1961
1962	----	3.79 ON SEP 12	0 ON AUG 06	19 900	1962
1963	----	4.19 ON JUN 06	0 E ON NOV 20	35 100	1963
1964	----	4.59 ON JUN 08	0 E ON NOV 20	23 400	1964
1965	----	4.19 ON AUG 05	0 B ON APR 01	12 600	1965
1966	----	3.43 ON AUG 20	0.006 ON NOV 23	18 900	1966
1967	----	3.79 ON AUG 26	0 ON NOV 16	24 500	1967
1968	----	3.06 ON JUN 22	0.003 ON APR 01	13 100	1968
1969	----	4.62 ON JUN 06	0 B ON APR 01	14 200	1969
1970	----	5.30 ON MAY 24 *	0 B ON APR 01	28 200	1970
1971	----	2.94 ON AUG 16	0 B ON APR 01	23 600	1971
1972	----	2.89 ON JUL 19	0 ON NOV 03	11 100	1972
1973	----	4.79 ON JUN 02	0 B ON APR 01	31 600	1973
1974	----	4.42 ON JUL 30	0 B ON APR 01	21 200	1974
1975	----	2.92 ON AUG 13	0 B ON APR 01	12 100	1975
1976	----	3.34 ON JUL 24	0 B ON APR 01	16 700	1976
1977	----	4.28 ON MAY 12	0 ON SEP 02	33 000	1977
1978	----	1.42 ON AUG 22	0 E ON NOV 01	8 250	1978
1979	----	3.47 ON JUL 07	0 B ON APR 01	15 900	1979
1980	----	5.19 ON MAY 18	0 ON APR 01	20 500	1980
1981	----	2.20 ON AUG 15	0 ON NOV 11	15 100	1981
1982	----	3.30 ON AUG 04	0 B ON APR 01	20 900	1982
1983	----	3.22 ON AUG 12	0 ON APR 01	26 400	1983
1984	----	3.73 ON JUL 30	0 ON APR 01	29 900	1984
1985	----	4.22 ON AUG 13	0 ON APR 01	26 500	1985
1986	----	3.00 ON JUL 18	0 B ON NOV 29	19 000	1986
1987	----	3.65 ON MAY 26	0.005B ON NOV 27	19 400	1987
1988	----	3.36 ON JUL 27	0.001B ON NOV 26	32 400	1988
1989	----	2.87 ON AUG 03	0 E ON APR 01	16 300	1989
1990	----	2.80 ON OCT 09	0 E ON NOV 19	17 100	1990
				15 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	----	----	----	----	----	----	----	----	0.541	0.213	0.136	0.114	----	1949
1950	0.085	0.057	0.057	0.028	0.110	2.11	2.00	1.03	0.444	0.208	----	----	0.980	1950
1951	----	----	----	----	----	1.84	3.15	1.15	0.566	0.340	----	----	----	1951
1952	----	----	----	----	----	1.86	1.53	1.11	0.515	0.226	----	----	----	1952
1953	----	----	----	----	----	2.44	2.43	1.16	0.571	0.284	----	----	----	1953
1954	----	----	----	----	----	2.21	3.04	1.15	0.582	0.219	0.091	----	----	1954
1955	----	----	----	----	----	2.45	2.40	1.12	0.586	0.247	----	----	----	1955
1956	----	----	----	----	----	2.72	2.26	1.19	0.579	0.250	----	----	----	1956
1957	----	----	----	----	----	1.97	1.33	0.755	0.478	0.270	----	----	----	1957
1958	----	----	----	----	1.16	1.56	1.60	1.18	0.603	0.287	----	----	1.06	1958
1959	----	----	----	----	----	2.82	1.86	1.03	0.906	0.443	----	----	----	1959
1960	----	----	----	----	0.272	3.21	3.29	1.65	0.836	0.305	----	----	1.59	1960
1961	----	----	----	----	----	4.74	4.65	2.18	0.758	0.527	----	----	----	1961
1962	----	----	----	----	0.637	2.83	1.98	1.57	0.789	0.372	----	----	1.36	1962
1963	----	----	----	----	----	3.43	3.09	1.53	1.36	0.488	----	----	----	1963
1964	----	----	----	----	----	4.78	3.47	1.41	0.733	0.562	----	----	----	1964
1965	----	----	----	----	----	3.49	3.25	2.23	0.610	0.570	----	----	----	1965
1966	----	----	----	----	----	3.50	3.17	1.56	0.909	0.476	----	----	----	1966
1967	----	----	----	----	----	5.08	3.79	2.03	1.12	0.513	----	----	----	1967
1968	----	----	----	----	0.768	3.35	2.89	1.62	0.967	0.351	----	----	1.65	1968
1969	----	----	----	----	1.48	3.55	2.26	1.33	0.697	0.365	----	----	1.61	1969
1970	----	----	----	----	0.641	4.23	2.54	1.35	0.589	0.245	----	----	1.59	1970
1971	----	----	----	----	1.21	4.22	2.73	2.10	0.656	0.295	----	----	1.86	1971
1972	----	----	----	----	0.851	5.10	2.61	2.13	0.675	0.287	----	----	1.93	1972
1973	----	----	----	----	0.865	5.17	4.44	1.47	0.734	0.266	----	----	1.49	1973
1974	----	----	----	----	0.327	5.29	3.23	1.86	0.839	0.300	----	----	1.96	1974
1975	----	----	----	----	0.201	2.82	3.40	1.56	0.594	0.276	----	----	1.47	1975
1976	----	----	----	----	1.36	2.12	3.28	2.54	1.39	0.449	----	----	1.89	1976
1977	----	----	----	----	0.795	2.40	1.66	1.86	0.838	0.298	----	----	1.31	1977
1978	----	----	----	----	0.605	3.57	2.83	1.35	1.23	0.483	----	----	1.67	1978
1979	----	----	----	----	0.728	2.55	1.93	1.42	0.768	0.319	----	----	1.28	1979
1980	----	----	----	----	2.61	2.91	1.79	1.44	0.760	0.573	----	----	1.68	1980
1981	----	----	----	----	1.95	2.51	3.91	2.12	0.854	0.309	----	----	1.95	1981
1982	----	----	----	----	0.681	4.27	2.34	1.54	1.00	0.407	----	----	1.70	1982
1983	----	----	----	----	1.17	2.72	2.68	1.61	0.514	0.239	----	----	1.49	1983
1984	----	----	----	----	0.370	3.34	2.37	1.65	0.741	0.443	----	----	1.48	1984
1985	----	----	----	----	1.59	2.64	2.13	1.35	0.929	0.338	----	----	1.49	1985
1986	----	----	----	----	1.89	3.18	1.72	1.07	0.455	0.397	----	----	1.45	1986
1987	----	----	----	----	1.70	2.21	1.75	1.29	0.752	0.265	----	----	1.31	1987
1988	----	----	----	----	1.43	3.51	2.10	1.36	0.697	0.436	----	----	1.58	1988
1989	----	----	----	----	0.711	3.36	2.19	1.79	0.840	0.287	----	----	1.52	1989
1990	----	----	----	----	1.37	3.86	3.12	1.73	0.580	0.338	----	----	1.83	1990
MEAN	0.085	0.057	0.057	0.028	1.02	3.17	2.54	1.53	0.752	0.351	0.114	0.114	1.56	MEAN

LOCATION - LAT 50 47 30 N
LONG 115 18 00 W

DRAINAGE AREA, 29 km²
REGULATED SINCE 1949

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	---	---	---	1949
1950	---	4.53 ON JUN 16	0.037E ON MAY 01	15 600	1950
1951	---	5.15 ON JUN 15	---	---	1951
1952	---	3.28 ON JUN 06	---	---	1952
1953	---	5.35 ON JUN 13	---	---	1953
1954	---	5.04 ON JUL 06	---	---	1954
1955	---	5.55 ON JUN 24	---	---	1955
1956	---	4.76 ON JUN 05	---	---	1956
1957	---	3.37 ON JUN 08	---	---	1957
1958	---	3.17 ON MAY 25	0.054E ON MAY 07	16 900	1958
1959	---	4.45 ON JUN 14	---	---	1959
1960	---	5.15 ON JUN 25	0.085E ON MAY 01	25 300	1960
1961	---	7.50 ON JUN 07	---	---	1961
1962	---	4.96 ON JUN 18	0.045 ON MAY 07	21 600	1962
1963	---	5.75 ON JUL 08	---	---	1963
1964	---	7.14 ON JUN 09	---	---	1964
1965	---	7.14 ON JUN 18	---	---	1965
1966	---	8.61 ON MAY 31	---	---	1966
1967	---	7.70 ON JUN 18	---	---	1967
1968	---	7.19 ON JUN 03	0.057B ON MAY 01	26 300	1968
1969	---	6.48 ON JUN 05	0.156 ON MAY 05	25 600	1969
1970	---	6.80 ON JUN 16	0.028E ON MAY 01 *	25 300	1970
1971	---	7.56 ON JUN 06	0.057E ON MAY 01	29 600	1971
1972	---	9.77 ON JUN 11	0.113E ON MAY 01	30 700	1972
1973	---	7.02 ON JUN 24	0.057E ON MAY 01	23 600	1973
1974	---	11.5 ON JUN 17	0.085E ON MAY 01	31 200	1974
1975	---	5.18 ON JUL 05	0.085E ON MAY 01	23 400	1975
1976	---	5.64 ON JUL 01	0.170E ON MAY 01	30 000	1976
1977	---	6.43 ON JUN 08	0.227E ON OCT 26	20 800	1977
1978	---	6.51 ON JUN 06	0.173 ON MAY 08	26 500	1978
1979	---	4.45 ON MAY 27	0.057B ON MAY 01	20 400	1979
1980	---	4.62 ON JUN 11	0.249 ON OCT 31	26 700	1980
1981	8.55 AT 24:00 MDT ON MAY 26 *	7.73 ON JUL 05	0.198 ON OCT 31	30 900	1981
1982	7.96 AT 02:00 MST ON JUN 17	7.78 ON JUN 16	0.085B ON MAY 01	27 000	1982
1983	6.60 AT 08:00 MST ON MAY 30	6.17 ON MAY 30	0.113E ON OCT 30	23 700	1983
1984	---	7.22 ON JUN 29	0.088 ON MAY 12	23 500	1984
1985	---	5.59 ON MAY 25	0.198B ON MAY 01	23 700	1985
1986	---	12.1 ON MAY 29 *	0.085B ON MAY 01	23 000	1986
1987	---	4.93 ON JUN 16	0.170E ON OCT 29	21 100	1987
1988	---	8.14 ON JUN 08	0.204 ON MAY 06	25 200	1988
1989	---	6.05 ON JUN 15	0.192 ON OCT 29	24 200	1989
1990	---	7.36 ON JUN 25	0.198E ON MAY 01	29 100	1990
				24 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA912

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	1.66	0.079	0.120	0.113	---	---	---	1982
1983	---	---	---	0.648	0.154	0.112	0.350	0.059	0.055	0.056	---	---	0.204	1983
1984	---	---	---	0.158	0.161	0.300	0.032	0.031	0.244	0.104	---	---	0.146	1984
1985	---	---	---	---	0.191	0.077	0.051	0.057	0.110	0.093	---	---	---	1985
1986	---	---	---	0.212	0.906	0.065	1.57	0.262	0.115	0.253	---	---	0.489	1986
1987	---	---	---	0.633	0.236	0.068	0.100	0.251	0.089	0.064	---	---	0.205	1987
1988	---	---	0.077	0.173	0.084	0.164	0.218	0.094	0.082	0.098	---	---	0.130	1988
1989	---	---	---	1.37	0.441	---	---	0.130	0.139	0.097	---	---	---	1989
1990	---	---	---	0.686	0.424	0.887	---	---	---	---	---	---	---	1990
MEAN	---	---	0.077	0.554	0.325	0.239	0.569	0.121	0.119	0.110	---	---	0.235	MEAN

LOCATION - LAT 52 52 06 N
LONG 113 57 27 W
DRAINAGE AREA, 91.7 km²
REGULATED

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA912

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	15.7 E AT 22:51 MST ON JUL 04	13.4 ON JUL 05	---	---	1982
1983	2.17 AT 16:45 MST ON APR 02	1.80 ON APR 02	0.025 ON AUG 25	3 770	1983
1984	1.23 AT 02:24 MST ON JUN 10	1.05 ON JUN 10	0 ON APR 27 *	2 700	1984
1985	---	2.03A ON APR 04	---	---	1985
1986	28.8 AT 02:15 MST ON JUL 18	18.7 ON JUL 18 *	0.006 ON SEP 02	9 040	1986
1987	3.96 AT 12:48 MST ON APR 03	2.54 ON APR 03	0.041 ON JUN 20	3 800	1987
1988	1.83 AT 04:43 MST ON JUL 08	1.65 ON JUL 08	0.001 ON MAY 23	2 410	1988
1989	---	4.75 ON APR 12	---	---	1989
1990	67.8 AT 12:57 MST ON JUL 03 *	---	0.051A ON SEP 27	---	1990
				4 340	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	0.648	0.490	0.404	16.6	20.7	9.67	12.8	5.86	2.88	3.36	1.40	0.637	9.03	1974
1975	0.367	0.348	0.387	2.66	6.12	7.42	14.4	6.73	18.6	12.0	3.16	0.739	8.52	1975
1976	0.552	0.447	0.436	7.72	2.59	0.840	0.808	1.05	3.43	5.14	1.74	0.208	2.74	1976
1977	0.249	0.348	0.335	4.95	3.65	3.38	4.72	1.90	2.00	4.04	1.63	0.494	4.12	1977
1978	0.311	0.253	0.252	3.18	9.18	4.94	1.21	3.36	21.9	19.4	5.72	1.16	7.90	1978
1979	0.596	0.483	0.469	3.16	21.4	7.96	2.78	2.93	5.07	4.29	2.31	0.534	6.02	1979
1980	0.376	0.214	0.336	2.76	0.771	0.657	0.739	4.86	15.5	9.23	3.35	0.656	4.33	1980
1981	0.432	0.324	0.439	1.76	4.35	1.80	4.22	0.869	0.170	0.473	0.376	0.204	1.77	1981
1982	0.177	0.140	0.180	4.14	12.6	3.30	0.883	0.535	0.746	0.787	0.625	0.241	2.90	1982
1983	0.253	0.236	0.206	2.10	3.47	4.69	1.09	1.26	0.378	0.572	0.500	0.140	1.31	1983
1984	0.049	0.082	0.217	0.955	0.622	7.58	6.31	6.05	9.11	10.3	4.46	0.510	5.14	1984
1985	0.229	0.210	0.230	5.75	29.0	5.30	1.44	0.425	1.11	2.86	1.43	0.361	5.78	1985
1986	0.285	0.268	0.596	4.47	15.1	9.42	13.1	5.56	1.34	1.64	1.04	0.555	6.41	1986
1987	0.391	0.347	0.516	12.1	14.6	11.9	3.91	1.42	0.858	1.32	---	---	5.79	1987
1988	---	---	0.391	4.20	11.4	12.7	14.4	9.76	13.1	5.48	---	---	7.78	1988
1989	---	---	0.522	1.51	29.7	14.4	13.2	7.94	3.23	4.96	---	---	9.47	1989
1990	---	---	0.443	7.21	34.3	11.9	3.11	0.401	0.226	0.514	---	---	7.27	1990
MEAN	0.351	0.299	0.374	5.01	12.9	6.76	5.71	3.16	5.86	5.08	2.13	0.496	5.60	MEAN

LOCATION - LAT 57 11 30 N LONG 111 34 05 W DRAINAGE AREA, 1 460 km² NATURAL FLOW

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	43.0 AT 18:00 MST ON APR 28	42.2 ON APR 28	0.170B ON APR 06	191 000	1974
1975	27.6 AT 21:00 MST ON JUL 22	27.4 ON JUL 22	0.362B ON MAR 01	180 000	1975
1976	---	15.4 A ON APR 11	0.430B ON MAR 22	57 900	1976
1977	16.7 B AT 07:44 MST ON APR 19	13.5 B ON APR 19	0.266B ON APR 05	66 000	1977
1978	32.3 AT 18:10 MST ON SEP 27	32.0 ON SEP 27	0.227B ON MAR 01	167 000	1978
1979	30.4 AT 00:00 MST ON MAY 01	28.2 ON MAY 01	0.459B ON APR 02	127 000	1979
1980	18.8 AT 17:50 MST ON SEP 23	18.8 ON SEP 24	0.214 ON JUN 28	91 700	1980
1981	7.68 AT 19:40 MST ON JUL 17	7.48 ON JUL 17	0.095 ON SEP 01 *	37 400	1981
1982	24.3 B AT 06:09 MST ON APR 20	14.3 ON MAY 12	0.134B ON MAR 01	61 300	1982
1983	9.13 AT 00:33 MST ON APR 23	6.66B ON APR 22	0.205B ON MAR 06	24 700	1983
1984	22.2 AT 12:00 MST ON OCT 25	21.0 ON OCT 24	0.119B ON MAR 01	109 000	1984
1985	66.4 AT 12:34 MST ON MAY 09 *	66.1 ON MAY 09 *	0.210B ON MAR 01	122 000	1985
1986	18.1 AT 21:52 MST ON MAY 16	18.0 ON MAY 17	0.264B ON MAR 01	136 000	1986
1987	25.1 AT 17:04 MST ON APR 28	25.0 ON APR 28	0.354B ON MAR 01	122 000	1987
1988	20.9 AT 17:23 MST ON JUL 17	20.9 ON JUL 17	0.300B ON MAR 01	165 000	1988
1989	47.8 AT 00:56 MST ON MAY 26	47.4 ON MAY 26	0.380B ON MAR 01	200 000	1989
1990	55.1 AT 18:20 MST ON MAY 09	54.8 ON MAY 09	0.170B ON MAR 23	154 000	1990
				119 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	1.26	1.38	1.29	1.51	19.4	37.9	9.76	4.70	4.40	6.77	3.43	2.18	10.7	1972
1973	1.68	1.47	1.61	2.10	18.3	14.9	6.95	4.01	2.65	3.90	1.63	1.50	6.80	1973
1974	1.42	1.27	1.06	3.37	17.8	13.9	8.77	3.54	3.35	2.92	1.90	1.42	6.59	1974
1975	1.05	0.811	0.804	0.863	7.83	10.4	10.2	3.60	2.63	1.81	1.71	1.26	4.77	1975
1976	1.17	1.09	1.01	3.99	17.6	11.6	7.83	14.6	7.43	3.92	2.18	1.75	8.50	1976
1977	1.40	1.22	1.07	3.07	25.0	21.1	17.7	14.4	9.95	6.82	2.40	1.92	12.4	1977
1978	1.10	0.961	0.989	3.83	8.56	15.6	13.9	5.87	8.97	5.61	3.48	2.11	7.89	1978
1979	1.14	0.976	1.34	3.87	12.0	10.6	6.16	3.42	2.27	2.03	1.07	0.801	5.21	1979
1980	0.984	0.835	0.831	4.82	7.93	42.1	11.9	7.80	8.73	5.02	3.03	2.53	11.0	1980
1981	1.96	1.36	1.05	2.27	10.4	9.08	6.60	5.72	3.17	2.36	1.95	0.965	5.08	1981
1982	0.624	0.896	0.794	4.15	14.8	14.4	23.6	16.1	9.25	6.65	2.87	1.82	10.9	1982
1983	1.52	1.60	1.48	3.44	6.28	11.1	24.6	8.02	5.29	3.45	2.73	1.29	7.97	1983
1984	1.22	1.21	1.25	3.22	8.72	15.9	6.32	3.44	6.32	10.1	3.05	1.76	6.89	1984
1985	1.32	0.589	0.559	2.95	8.62	7.50	6.55	4.95	10.9	7.53	2.26	2.47	6.18	1985
1986	1.43	1.19	0.884	2.44	16.0	15.4	20.4	6.76	5.27	8.42	3.10	1.91	9.47	1986
1987	1.74	1.39	1.15	2.01	8.80	6.83	4.43	25.0	4.80	3.22	---	---	6.94	1987
1988	---	---	1.13	2.10	3.14	6.07	4.31	2.43	1.61	1.54	---	---	2.79	1988
1989	---	---	0.690	3.51	14.3	16.0	21.5	31.1	12.6	5.94	---	---	13.2	1989
1990	---	---	1.25	3.54	---	---	---	---	---	---	---	---	---	1990
MEAN	1.31	1.14	1.07	2.84	12.5	15.6	11.7	9.08	6.08	4.89	2.45	1.72	7.96	MEAN

LOCATION - LAT 53 55 32 N LONG 118 48 52 W DRAINAGE AREA, 706 km² NATURAL FLOW

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	286 AT 22:00 MST ON JUN 12 *	213 ON JUN 13 *	1.13 B ON APR 13	226 000	1972
1973	31.4 AT 19:20 MST ON JUN 24	27.6 ON MAY 18	1.60 B ON MAR 27	144 000	1973
1974	25.0 AT 04:10 MST ON MAY 08	23.5 ON MAY 08	0.985B ON MAR 20	140 000	1974
1975	27.6 AT 06:00 MST ON JUN 30	26.2 ON JUN 30	0.646B ON MAY 01	101 000	1975
1976	41.9 AT 04:00 MST ON AUG 17	40.2 ON AUG 17	0.957B ON MAR 02	180 000	1976
1977	56.4 AT 23:50 MST ON MAY 11	50.9R ON JUL 30	1.01 B ON MAR 19	263 000	1977
1978	53.5 AT 22:40 MST ON JUL 12	43.5R ON JUL 12	0.850B ON MAR 25	167 000	1978
1979	32.4 AT 07:00 MST ON MAY 27	27.8R ON MAY 27	1.00 B ON MAR 01	110 000	1979
1980	200 AT 21:25 MST ON JUN 04	161 ON JUN 04	0.700B ON MAR 05	234 000	1980
1981	21.8 AT 14:45 MST ON JUL 30	20.9 ON JUL 30	0.578B ON MAR 24	108 000	1981
1982	65.9 AT 11:55 MST ON JUL 15	57.5 ON JUL 15	0.600B ON MAR 01	230 000	1982
1983	87.9 AT 10:55 MST ON JUL 26	76.7 ON JUL 26	1.28 B ON MAR 21	169 000	1983
1984	32.4 AT 06:30 MST ON JUN 09	30.2 ON JUN 09	1.08 B ON MAR 13	146 000	1984
1985	22.4 AT 22:06 MST ON SEP 13	21.2 ON SEP 14	0.400B ON MAR 06 *	131 000	1985
1986	73.2 AT 18:29 MST ON JUL 18	67.2 ON JUL 18	0.723B ON MAR 25	201 000	1986
1987	126 AT 09:45 MST ON AUG 02	117 ON AUG 02	1.01 B ON MAR 28	147 000	1987
1988	16.4 AT 00:12 MST ON JUN 12	14.7 ON JUN 12	1.01 B ON MAR 01	59 000	1988
1989	76.9 AT 08:49 MST ON AUG 03	72.1 ON AUG 03	0.653B ON MAR 01	280 000	1989
1990	---	---	---	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		169 000	MEAN

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.524	0.159	0.477	0.026	---	---	---	1975
1976	---	---	0.004	1.92	0.044	0.010	0.002	0.003	0.010	0.001	---	---	0.244	1976
1977	---	---	0.001	2.43	0.257	0.447	0.140	0.247	0.213	---	---	---	---	1977
1978	---	---	0.023	5.32	0.289	2.17	0.156	0.082	1.69	0.854	---	---	1.30	1978
1979	---	---	0.012	9.15	3.25	0.327	0.439	0.324	0.146	0.019	---	---	1.69	1979
1980	---	---	0.002	1.18	0.011	0.061	0.060	0.091	0.396	0.457	---	---	0.279	1980
1981	---	---	2.15	6.51	0.242	0.012	0.060	0.239	0.023	0.060	---	---	1.15	1981
1982	---	---	0	3.86	0.492	0.015	0.013	0.122	0.055	0.038	---	---	0.565	1982
1983	---	---	0.003	0.491	0.053	0.044	0.494	0.226	0.010	0.012	---	---	0.167	1983
1984	---	---	0.192	0.210	0.085	0.568	0.041	0.006	0.024	0.079	---	---	0.149	1984
1985	---	---	0.203	2.43	0.145	0.080	0.075	0.017	0.006	0.025	---	---	0.367	1985
1986	---	---	1.27	0.834	0.119	0.012	1.85	0.146	0.014	0.013	---	---	0.535	1986
1987	---	---	0.014	1.76	0.212	0.119	0.006	0.061	0.080	0.042	---	---	0.283	1987
1988	---	---	0.020	0.049	0.010	0.063	0.077	0.051	0.017	0.008	---	---	0.037	1988
1989	---	---	0	0.394	0.090	0.055	0.149	0.068	0.079	0.024	---	---	0.107	1989
1990	---	---	0.318	0.869	0.108	0.004	0.150	0.010	0.006	0.003	---	---	0.182	1990
MEAN	---	---	0.281	2.49	0.360	0.266	0.265	0.116	0.203	0.111	---	---	0.504	MEAN

LOCATION - LAT 54 01 50 N
LONG 112 51 35 W
DRAINAGE AREA, 720 km²
NATURAL FLOW

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	0.943 AT 23:30 MST ON SEP 07	0.903 ON JUL 11	---	---	1975
1976	6.12 B AT 06:30 MST ON APR 09	4.25 B ON APR 09	0 ON JUL 11 *	5 180	1976
1977	11.3 B AT 22:30 MST ON APR 12	10.8 ON APR 13	---	---	1977
1978	---	11.0 B ON APR 09	0 B ON MAR 01	27 500	1978
1979	33.1 AT 02:10 MST ON APR 26	31.8 ON APR 26	0.001E ON OCT 07	35 800	1979
1980	---	4.49 B ON APR 12	0 B ON MAR 01	5 910	1980
1981	---	21.9 B ON APR 03	0 B ON MAR 12	24 300	1981
1982	20.0 AT 01:00 MST ON APR 23	18.1 B ON APR 22	0 B ON MAR 01	12 000	1982
1983	3.69 AT 13:40 MST ON JUL 27	2.76 ON JUL 28	0 ON JUN 03	3 530	1983
1984	1.91 AT 02:30 MST ON JUN 09	1.65 ON JUN 09	0.001 ON AUG 28	3 160	1984
1985	12.7 B AT 16:30 MST ON APR 02	10.6 B ON APR 02	0 ON AUG 07	7 770	1985
1986	42.1 AT 06:05 MST ON JUL 20 *	32.0 ON JUL 20 *	0.003B ON MAR 12	11 300	1986
1987	---	5.92 B ON APR 09	0 B ON MAR 01	5 980	1987
1988	---	0.190 ON APR 20	0 B ON MAR 01	782	1988
1989	---	1.40 B ON APR 08	0 B ON MAR 01	2 260	1989
1990	---	6.10 B ON MAR 31	0.001B ON MAR 01	3 860	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 700	MEAN

NANTON CREEK NEAR NANTON - STATION NO. 05AC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	
1909	---	---	---	---	1.14	0.562	0.458	0.112	0.232	0.277	---	---	---	1908
									0.054	0.071	---	---	---	1909
1910	---	---	---	0.069	0.062	0.005	0	0	0.041	0.005	---	---	---	
1911	---	---	---	0.018	0.075	0.077	0.059	0.274	0.262	0.229	---	---	---	1910
1912	---	---	---	---	0.092	---	---	---	0.363	0.223	---	---	---	1911
1913	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1912
1914	---	---	---	---	0.087	0.018	0.018	---	0.001	0.116	---	---	---	1913
														1914
1915	---	---	---	0.071	0.524	1.67	1.92	0.848	0.464	0.357	---	---	---	
1916	---	---	---	---	0.673	1.78	0.636	0.784	1.15	0.798	---	---	---	1915
1917	---	---	---	---	1.17	2.32	0.624	0.499	0.225	0.199	---	---	---	1916
1918	---	---	---	0.095	0.066	0.039	0.009	0.010	0.224	0.006	---	---	---	1917
1919	---	---	0.011	0.065	0.031	0.002	0	0	0.007	0.001	---	---	---	1918
									0		---	---	---	1919
MEAN	---	---	0.011	0.064	0.392	0.719	0.414	0.316	0.254	0.200	---	---	---	MEAN

LOCATION - LAT 50 21 35 N DRAINAGE AREA, 120 km²
LONG 113 49 34 W REGULATED

NANTON CREEK NEAR NANTON - STATION NO. 05AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---		
1909	---	3.60 ON MAY 24	---	---	1908
			---	---	1909
1910	---	0.311 ON SEP 07			
1911	---	0.920 ON AUG 08	0 ON JUN 13 *	---	1910
1912	---	---	---	---	1911
1913	---	---	---	---	1912
1914	---	---	---	---	1913
		0.821 ON APR 05	0 ON JUL 16	---	1914
1915	---	5.92 ON JUN 26 *	---		
1916	---	5.44 ON AUG 18	---	---	1915
1917	---	4.47 ON JUN 11	---	---	1916
1918	---	0.255B ON APR 05	---	---	1917
1919	---	0.204 ON APR 06	---	---	1918
			0B ON MAR 01	---	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NATURAL FLOW A NEAR POLLOCKVILLE - STATION NO. 05CH009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.007	0	0	0	0	---	---	0.001	
1974	---	---	---	---	---	0	---	---	---	0	---	---	---	1973
														1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	
1976	---	---	---	---	0	0	0	0	0	0	---	---	0	1975
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1979	---	---	0.005	0	0	0	0	0	0	0	---	---	0	1978
														1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
MEAN	---	---	0.002	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 51 08 55 N DRAINAGE AREA, 3.5 km²
LONG 111 47 50 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977 AND 1979

NATURAL FLOW A NEAR POLLOCKVILLE - STATION NO. 05CH009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	0.552 AT 19:40 MST ON JUN 15 *	0.133 ON JUN 15 *	0E ON MAY 01 *	19.1	
1974	---	---	0 ON MAY 28	---	1973
					1974
1975	0.059 AT 05:30 MST ON MAY 20	0.031 ON MAY 20	0 ON MAY 14	---	
1976	---	0 ON MAY 01	0 ON MAY 01		1975
1977	0 ON APR	0 ON MAY 01	0 ON MAY 01	0	1976
1978	0.045 AT 03:50 MST ON SEP 08	0.005 ON SEP 08	0 ON MAY 01	0	1977
1979	---	0.002 ON MAY 06	0E ON MAY 01	1.30	1978
				1.30	1979
1980	---	0 E ON MAY 01	0E ON MAY 01	0	1980
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3.62	MEAN

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.001	0	0	0	0	---	---	---	1973
1974	---	---	---	---	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1975
1976	---	---	---	0	0	0	0	0	0	---	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.013	0	0	0	0	0	0	0	---	---	0.002	1978
1979	---	---	0.014	0	0	0	0	0	0	0	---	---	0.002	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	---	1980
1981	---	---	---	0	0	0	0	0	0	0	---	---	---	1981
1982	---	---	---	0	0	0	0	0	0	0	---	---	---	1982
1983	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1983
1984	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.006	0	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 50 38 20 N, LONG 111 30 20 W DRAINAGE AREA, 1.99 km² NATURAL FLOW

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	0.065 AT 20:50 MST ON JUN 15	0.019 ON JUN 15	0E ON MAY 01 *	---	1973
1974	---	0.003 ON AUG 13	0E ON MAY 01	---	1974
1975	0.580 AT 13:30 MST ON MAY 24	0.167 ON MAY 24	0 ON MAY 14	---	1975
1976	0.697 AT 17:30 MST ON MAR 18 *	0.447 ON MAR 18 *	0 ON MAR 30	---	1976
1977	0.001 AT 07:00 MST ON APR 05	0.001 ON APR 03	0 ON MAR 01	0.259	1977
1978	---	0.150B ON MAR 26	0B ON MAR 01	36.3	1978
1979	---	0.101B ON MAR 10	0B ON MAR 01	37.4	1979
1980	---	0 A ON APR 22	0A ON APR 22	---	1980
1981	---	---	0A ON MAR 30	---	1981
1982	0.001 AT 19:00 MST ON APR 09	0 E ON APR 01	0E ON APR 01	---	1982
1983	---	0.018A ON AUG 12	0A ON MAR 01	2.76	1983
1984	0.056B AT 13:34 MST ON MAR 19	0.026B ON MAR 19	0B ON MAR 01	3.02	1984
				15.9	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.002	0	0	0	0	---	---	0	1973
1974	---	---	---	0.004	0	0	0	0	0	0	---	---	0	1974
1975	---	---	---	---	0.005	0	0	0	0	0	---	---	0.001	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	0	1976
1977	---	---	---	---	0	0	0	0	0	0	---	---	0	1977
1978	---	---	---	---	0	0	0	0.004	0.001	0	---	---	0.001	1978
1979	---	---	---	---	0	0	0	0	0	0	---	---	0	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
1981	---	---	---	---	0.001	0	0	0	0	0	---	---	0	1981
1982	---	---	---	---	0	0	0	0	0	0	---	---	0	1982
1983	---	---	---	---	0	0	0	0	0	0	---	---	0	1983
1984	---	---	---	---	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	---	0.004	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 50 22 40 N, LONG 112 14 40 W DRAINAGE AREA, 3.24 km² NATURAL FLOW

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.040 ON JUN 18	0 ON MAY 01 *	6.13	1973
1974	0.074 AT 17:00 MST ON APR 28	0.001 ON AUG 13	0 ON MAY 01	0.346	1974
1975	0.113 AT 18:10 MST ON MAY 06	0.062 ON MAY 06	0 ON MAY 01	13.5	1975
1976	0.001 AT 17:00 MST ON AUG 04	0 ON MAY 01	0 ON MAY 01	0	1976
1977	---	0 ON MAY 01	0 ON MAY 01	0	1977
1978	0.221 AT 08:00 MST ON AUG 23 *	0.110 ON AUG 23 *	0 ON MAY 01	12.2	1978
1979	---	0 ON MAY 01	0 ON MAY 01	0	1979
1980	---	0 ON MAY 01	0 ON MAY 01	0	1980
1981	0.029 AT 14:05 MST ON MAY 16	0.010 ON MAY 16	0 ON MAY 01	1.81	1981
1982	---	0 ON MAY 01	0 ON MAY 01	0	1982
1983	---	0 ON MAY 01	0 ON MAY 01	0	1983
1984	---	0 ON MAY 01	0 ON MAY 01	0	1984
				2.83	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW D NEAR CHIN - STATION NO. 05AG024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0	0	0	0	---	---	---	---	1973
MEAN	---	---	---	---	0	0	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 49 51 10 N LONG 112 26 40 W DRAINAGE AREA, 3.32 km² NATURAL FLOW

NATURAL FLOW D NEAR CHIN - STATION NO. 05AG024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	0 ON APR 18 *	---	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.036	0.494	0.888	0.336	0.084	0.319	---	---	---	1957
1958	---	---	---	---	0.085	0.831	0.713	0.196	0.254	0.337	---	---	---	1958
1959	---	---	---	---	0.001	0.667	0.734	0.471	0.271	0.206	---	---	---	1959
1960	---	---	---	---	0.006	0.727	1.26	0.447	0.171	0.346	---	---	---	1960
1961	---	---	---	---	0.221	1.16	1.08	0.387	0.492	0.523	---	---	---	1961
1962	---	---	---	---	0.244	0.939	1.37	0.614	0.341	0.315	---	---	---	1962
1963	---	---	---	---	0.819	1.20	0.687	0.554	0.436	0.654	---	---	---	1963
1964	---	---	---	---	0.040	1.18	1.91	1.06	0.431	0.446	---	---	---	1964
1965	---	---	---	---	0.006	0.569	0.420	0.935	0.322	0.272	---	---	---	1965
1966	---	---	---	---	0.032	0.858	1.29	0.567	0.338	0.694	---	---	---	1966
1967	---	---	---	---	0.021	0.756	1.90	1.39	0.974	1.07	---	---	---	1967
1968	---	---	---	---	0.630	1.62	2.57	1.41	1.23	0.945	---	---	---	1968
1969	---	---	---	---	0.559	2.22	1.67	1.50	1.40	1.34	---	---	---	1969
1970	---	---	---	---	0.801	1.88	1.62	1.57	1.33	1.24	---	---	---	1970
1971	---	---	---	---	0.569	1.69	2.91	1.91	1.56	1.55	---	---	---	1971
1972	---	---	---	---	0.565	1.88	4.77	1.64	1.42	1.06	---	---	---	1972
1973	---	---	---	---	1.10	2.34	3.14	1.91	1.52	1.21	---	---	---	1973
1974	---	---	---	---	0.432	2.07	3.15	2.46	1.52	1.52	0.256	---	---	1974
1975	---	---	---	---	0.198	0.706	3.42	3.45	3.09	2.66	---	---	---	1975
1976	---	---	---	---	1.26	3.38	3.96	2.93	2.40	2.77	---	---	---	1976
1977	---	---	---	---	1.19	2.46	3.99	3.19	2.26	1.21	---	---	---	1977
1978	---	---	---	---	1.37	0.390	2.97	3.11	1.63	1.99	---	---	---	1978
1979	---	---	---	---	0.011	2.01	3.60	2.56	1.96	1.85	---	---	---	1979
1980	---	---	---	---	1.41	2.50	3.62	2.68	3.10	2.58	---	---	---	1980
1981	---	---	---	---	0.444	2.58	4.16	3.76	3.71	2.67	---	---	---	1981
1982	---	---	---	---	1.09	2.32	3.88	4.17	3.31	2.06	---	---	---	1982
1983	---	---	0.006	0.029	0.346	4.20	4.28	3.90	3.18	2.15	0.061	---	2.27	1983
1984	---	---	0.016	0.151	0.946	3.76	4.20	3.26	2.02	0.544	---	---	1.86	1984
1985	---	---	0.204	0.093	0.593	3.62	3.56	2.32	0.647	1.31	---	---	1.54	1985
1986	---	---	0.008	0.001	0.314	3.44	4.15	3.29	1.61	0.401	---	---	1.65	1986
1987	---	---	0.010	0.024	1.37	4.76	4.64	4.57	1.07	0.282	---	---	1.21	1987
1988	---	---	0	0.050	2.85	2.35	3.14	2.03	1.62	0.447	---	---	1.56	1988
1989	---	---	0.032	0.105	0.920	2.26	3.46	2.12	1.01	0.396	---	---	1.29	1989
1990	---	---	0.049	0.040	0.928	2.14	3.20	2.23	2.04	0.744	---	---	1.42	1990
MEAN	---	---	0.041	0.062	0.623	1.88	2.60	1.95	1.42	1.11	0.159	---	1.60	MEAN

LOCATION - LAT 50 13 00 N LONG 112 06 15 W DRAINAGE AREA, 312 km² REGULATED

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	---	1.42 ON JUL 22	0 E ON MAY 01 *	---	1958
1959	---	1.56 ON JUN 16	0 E ON MAY 01	---	1959
		2.75 ON JUN 27	0 ON APR 30		
1960	---	1.93 ON JUL 04	0 ON MAY 06	---	1960
1961	---	5.15 ON JUN 20	0 ON APR 26	---	1961
1962	---	2.49 ON JUL 14	0 E ON MAY 01	---	1962
1963	---	4.79 ON JUN 22	0 ON APR 26	---	1963
1964	---	2.86 ON JUL 03	0 ON MAY 10	---	1964
1965	---	3.28 ON AUG 05	0 ON MAY 06	---	1965
1966	---	7.16 ON JUL 15	0 ON MAY 05	---	1966
1967	---	4.42 ON JUN 17	0 ON MAY 27	---	1967
1968	---	4.02 ON JUN 30	---	---	1968
1969	---	3.14 ON JUN 23	---	---	1969
1970	---	6.94 ON JUN 13	---	---	1970
1971	---	4.67 ON JUL 10	---	---	1971
1972	---	3.60 ON JUL 14	---	---	1972
1973	---	6.12 ON JUN 15	---	---	1973
1974	---	4.13E ON JUL 04	---	---	1974
1975	---	6.29 ON JUL 30	---	---	1975
1976	---	5.24 ON JUL 01	---	---	1976
1977	---	4.59 ON JUL 11	0 ON APR 26	---	1977
1978	---	5.97 ON AUG 23	---	---	1978
1979	---	4.01 ON JUL 30	0 A ON MAY 29	---	1979
1980	---	5.73 ON JUL 20	---	---	1980
1981	---	5.30 ON JUN 14	---	---	1981
1982	---	5.03 ON AUG 11	---	---	1982
1983	---	6.65 ON JUL 07	0 E ON APR 30	48 000	1983
1984	---	6.37 ON JUL 30	0.001B ON MAR 13	39 400	1984
1985	---	4.46 ON JUL 17	0 ON MAY 18	32 700	1985
1986	---	5.37 ON JUN 30	0 ON MAR 27	34 900	1986
1987	---	4.97 ON JUL 19	0 B ON MAR 01	25 700	1987
1988	13.8 AT 18:36 MST ON JUN 08 *	9.28 ON JUN 08 *	0 ON MAR 01	33 100	1988
1989	6.80 AT 00:31 MST ON JUN 11	4.49 ON JUN 11	0 B ON MAR 01	27 300	1989
1990	5.09 AT 10:40 MST ON JUL 19	4.43 ON JUL 19	0 B ON MAR 12	30 100	1990
				33 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO. 05AG002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	0.091	0.389	0.706	0.223	0.251	0.991	---	---	0.443	1924
1925	---	---	---	---	0.023	0.740	1.38	0.402	0.169	0.005	---	---	0.453	1925
1927	---	---	---	---	0	0.009	0.243	0.255	0.196	0.078	---	---	0.130	1927
1928	---	---	---	---	0.272	0.976	0.088	0.218	0.228	0.084	---	---	0.308	1928
1929	---	---	---	---	0.111	0.992	1.26	0.359	0.450	0.517	---	---	0.613	1929
1930	---	---	---	---	0.144	1.15	0.697	0.355	0.291	0.178	---	---	0.466	1930
MEAN	---	---	---	---	0.107	0.709	0.729	0.302	0.264	0.309	---	---	0.402	MEAN

LOCATION - LAT 50 08 03 N
LONG 112 11 11 W
REGULATED

DATA CONTRIBUTED BY - CANADA LAND AND IRRIGATION COMPANY

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO. 05AG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	1.47 ON OCT 24	0 ON MAY 01 *	7 040	1924
1925	---	1.64 ON JUL 07 *	0 ON MAY 01	7 200	1925
1927	---	0.399 ON JUL 18	0 ON MAY 01	2 070	1927
1928	---	1.59 ON JUN 05	0 ON MAY 01	4 890	1928
1929	---	1.61 ON JUN 21	0 ON MAY 01	9 750	1929
1930	---	1.50 ON JUN 15	0 ON MAY 01	7 410	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 390	MEAN

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO. 05AE042

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.001	0.212	0.284	0.455	0.458	0.266	0.083	---	---	0.252	1984
1985	---	---	---	0.005	0.068	0.231	0.237	0.100	0.154	0.116	---	---	0.130	1985
1986	---	---	---	0.004	0.022	0.191	0.250	0.169	0.149	0.208	---	---	0.142	1986
1987	---	---	---	0.008	0.175	0.280	0.267	0.218	0.178	0.148	---	---	0.182	1987
1988	---	---	---	0.035	0.230	0.318	0.251	0.222	0.207	0.140	---	---	0.201	1988
1989	---	---	---	0.025	0.084	0.149	0.334	0.195	0.076	0.070	---	---	0.134	1989
1990	---	---	---	0.008	0.096	0.192	0.510	0.384	0.297	0.122	---	---	0.231	1990
MEAN	---	---	---	0.012	0.127	0.235	0.329	0.249	0.190	0.127	---	---	0.182	MEAN

LOCATION - LAT 49 33 12 N LONG 112 46 45 W DRAINAGE AREA, 157 km² REGULATED

REMARKS - STATION RELOCATED 400 M UPSTREAM AT END OF 1989 SEASON.

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO. 05AE042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.746 ON JUL 30	0 ON APR 11 *	4 670	1984
1985	---	0.867 ON SEP 12 *	0 ON MAY 06	2 410	1985
1986	---	0.512 ON JUL 17	0 ON APR 20	2 630	1986
1987	---	0.599 ON JUN 28	0 ON MAY 02	3 370	1987
1988	---	0.671 ON AUG 02	0 ON APR 11	3 710	1988
1989	---	0.654 ON JUL 31	0 ON MAY 12	2 480	1989
1990	---	0.814 ON JUL 26	0.001 ON APR 24	4 270	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 360	MEAN

NOLAN COULEE NEAR COALDALE - STATION NO. 05AD034

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	0.002	0	0	0	0	0	---	---	---	1967
1968	---	---	---	---	---	0.001	0.006	---	---	---	---	---	---	1968
MEAN	---	---	---	---	0.002	0.001	0.003	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 51 10 N LONG 112 35 10 W DRAINAGE AREA, 117 km² REGULATED

NOLAN COULEE NEAR COALDALE - STATION NO. 05AD034

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON MAY 01 *	---	1967
1968	---	---	0 ON JUN 01	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	2.06	1.22	0.648	---	1971
1972	0.611	0.823	0.849	2.33	6.22	32.9	12.8	5.02	5.38	4.34	3.71	1.06	6.32	1972
1973	0.377	0.328	0.330	6.73	20.5	8.98	7.81	4.40	3.08	2.50	1.26	1.23	4.99	1973
1974	1.08	0.945	0.947	7.28	20.3	7.93	4.95	3.75	3.73	3.82	1.80	1.19	4.83	1974
1975	0.982	0.786	0.907	3.31	7.47	3.73	4.07	1.77	1.41	0.994	0.681	0.831	2.26	1975
1976	0.741	0.572	0.510	3.50	4.55	4.39	2.64	6.49	2.36	1.29	0.837	1.06	2.42	1976
1977	0.926	1.00	0.914	1.39	24.5	11.4	5.40	6.77	9.46	5.38	2.28	1.44	5.95	1977
1978	1.38	1.28	1.87	4.79	12.0	17.2	17.6	5.91	7.92	4.38	2.40	1.78	6.58	1978
1979	1.25	0.873	1.43	1.71	7.73	4.96	2.48	1.93	1.17	1.36	0.823	0.882	2.23	1979
1980	0.645	0.609	0.577	4.30	8.79	36.4	14.2	7.97	7.55	4.04	2.16	1.74	7.39	1980
1981	1.38	1.12	1.45	2.19	15.0	8.38	22.6	11.3	4.38	2.61	2.04	1.10	6.35	1981
1982	0.954	1.63	1.19	1.46	7.35	7.75	27.3	6.87	4.66	5.88	2.30	1.47	5.78	1982
1983	1.19	1.40	1.33	5.43	7.03	6.59	8.09	2.83	1.98	2.05	1.08	0.656	3.32	1983
1984	0.688	1.12	1.01	2.73	4.42	9.96	2.92	1.98	4.65	4.83	1.79	1.16	3.10	1984
1985	0.874	0.578	0.838	3.03	4.95	5.15	2.17	5.22	11.7	5.93	2.44	2.02	3.74	1985
1986	1.34	1.26	1.74	4.13	13.0	7.19	50.7	9.41	12.2	14.8	5.03	2.46	10.4	1986
1987	1.87	1.72	1.52	3.30	4.57	3.27	5.54	5.33	2.93	2.11	1.60	0.913	2.90	1987
1988	0.574	0.596	0.848	2.13	1.90	3.16	2.66	3.82	1.96	1.57	0.890	0.808	1.75	1988
1989	0.735	0.753	0.766	2.50	6.20	5.52	8.20	15.6	13.3	5.72	3.24	2.46	5.45	1989
1990	1.85	1.16	1.44	10.0	20.6	27.7	24.4	6.49	4.23	3.29	2.01	1.53	8.77	1990
MEAN	1.02	0.976	1.08	3.91	10.4	11.2	11.9	5.94	5.48	4.00	2.02	1.32	4.98	MEAN

LOCATION - LAT 52 49 13 N LONG 115 31 10 W DRAINAGE AREA, 875 km² NATURAL FLOW

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	326 AT 20:00 MST ON JUN 25	231 ON JUN 25	0.368B ON DEC 29	200 000	1972
1973	31.1 AT 00:30 MST ON JUL 02	29.2 ON MAY 20	0.300B ON FEB 28 *	157 000	1973
1974	28.1 AT 14:30 MST ON MAY 17	27.4 ON MAY 17	0.900B ON JAN 29	152 000	1974
1975	20.5 AT 01:30 MST ON MAY 05	19.3 ON MAY 05	0.394B ON NOV 25	71 100	1975
1976	19.8 AT 20:30 MST ON AUG 17	18.3 ON AUG 17	0.510B ON FEB 17	76 500	1976
1977	96.8 AT 24:50 MST ON MAY 29	82.7 ON MAY 30	0.850B ON MAR 21	187 000	1977
1978	80.4 AT 08:40 MST ON JUL 12	69.9 ON JUL 12	1.20 B ON JAN 26	207 000	1978
1979	10.8 AT 13:00 MST ON MAY 19	10.4 ON MAY 19	0.750B ON FEB 26	70 300	1979
1980	235 AT 15:00 MST ON JUN 05	206 ON JUN 05	0.480B ON MAR 11	234 000	1980
1981	105 AT 22:30 MST ON JUL 24	85.5 ON JUL 24	0.790B ON DEC 16	200 000	1981
1982	145 AT 10:08 MST ON JUL 05	132 ON JUL 05	0.700B ON APR 02	182 000	1982
1983	18.4 AT 14:03 MST ON JUN 25	17.4 ON JUN 25	0.492B ON DEC 31	105 000	1983
1984	37.1 AT 05:26 MST ON JUN 10	33.7 ON JUN 10	0.477B ON JAN 02	98 000	1984
1985	61.8 AT 20:10 MST ON SEP 13	43.7 ON SEP 14	0.500B ON FEB 04	118 000	1985
1986	620 ON JUL 18 *	496 E ON JUL 18 *	1.20 B ON FEB 20	327 000	1986
1987	13.3 AT 23:27 MST ON JUL 10	12.1 ON JUL 11	0.466B ON NOV 17	91 500	1987
1988	16.0 AT 00:26 MST ON AUG 19	13.7 ON AUG 19	0.400B ON FEB 03	55 200	1988
1989	50.9 AT 12:06 MST ON AUG 17	39.6 ON AUG 03	0.640B ON MAR 15	172 000	1989
1990	160 AT 12:40 MST ON JUL 07	130 ON JUL 07	0.950B ON FEB 19	276 000	1990
				157 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH ANDERSON CREEK NEAR HINTON - STATION NO. 07AF009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.130	0.053	0.119	0.230	---	---	---	1972
1973	---	---	---	---	0.531	0.182	0.069	0.070	0.035	---	---	---	---	1973
1974	---	---	---	---	0.469	0.086	0.071	0.045	---	---	---	---	---	1974
MEAN	---	---	---	---	0.500	0.134	0.090	0.056	0.077	0.230	---	---	---	MEAN

LOCATION - LAT 53 19 00 N LONG 117 24 00 W
DRAINAGE AREA, 10.6 km^2
NATURAL FLOW

NORTH ANDERSON CREEK NEAR HINTON - STATION NO. 07AF009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.45 AT 23:30 MST ON MAY 27 *	1.16 ON MAY 28 *	---	---	1973
1974	0.779 AT 01:30 MST ON MAY 08	0.705 ON MAY 08	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO. 11AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.82	1.27	1.56	---	---	---	1909
1910	---	---	---	1.53	1.53	0.823	0.515	0.572	0.879	0.822	---	---	---	1910
MEAN	---	---	---	1.53	1.53	0.823	0.515	1.20	1.07	1.19	---	---	---	MEAN

LOCATION - LAT 49 08 00 N LONG 112 24 00 W
DRAINAGE AREA, 1 110 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO. 11AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.33E ON JUN 09 *	---	---	1910
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	1.24	1.00	0.628	0.530	2.46	0.934	---	---	---	1911
1912	---	---	---	2.22	1.17	0.704	---	---	---	---	---	---	---	1912
1919	---	---	---	---	0.588	0.333	0.222	0.217	0.190	---	---	---	---	1919
1920	---	---	---	---	---	0.803	0.436	0.327	---	---	---	---	---	1920
1921	---	---	---	---	---	0.398	0.307	0.297	---	---	---	---	---	1921
1922	---	---	---	---	1.06	0.461	0.331	0.276	0.251	---	---	---	---	1922
1923	---	---	---	---	0.695	0.509	0.357	0.297	0.280	---	---	---	---	1923
1924	---	---	---	---	0.557	0.743	0.304	0.340	0.324	---	---	---	---	1924
1925	---	---	---	---	0.906	0.583	0.335	0.404	0.463	---	---	---	---	1925
1926	---	---	---	0.756	0.360	0.255	0.287	0.292	0.462	---	---	---	---	1926
1927	---	---	---	---	2.10	2.80	1.46	1.28	1.69	---	---	---	---	1927
1928	---	---	---	---	1.39	1.29	1.40	1.16	1.01	---	---	---	---	1928
1929	---	---	---	---	1.46	1.18	0.720	0.565	0.624	0.689	---	---	---	1929
1930	---	---	---	1.96	1.05	0.689	0.434	0.419	0.460	---	---	---	---	1930
1931	---	---	---	0.521	0.419	0.340	0.319	0.301	0.321	0.359	---	---	---	1931
1932	---	---	---	---	0.890	0.469	0.273	0.289	0.261	---	---	---	---	1932
1933	---	---	---	---	1.00	0.555	0.219	0.189	0.241	0.297	---	---	---	1933
1934	---	---	---	---	0.345	0.368	0.222	0.188	0.304	---	---	---	---	1934
1935	---	---	---	---	0.591	0.362	0.246	0.191	0.221	---	---	---	---	1935
1936	---	---	---	---	0.418	0.258	0.125	0.162	0.196	0.216	---	---	---	1936
1937	---	---	---	---	0.894	0.977	0.243	0.198	0.285	0.319	---	---	---	1937
1938	---	---	---	---	0.573	0.315	0.275	0.200	0.197	---	---	---	---	1938
1939	---	---	---	0.400	0.276	0.289	0.119	0.108	0.156	0.189	0.206	---	---	1939
1940	---	---	---	---	0.339	0.202	0.145	0.093	0.110	0.140	---	---	---	1940
1941	---	---	---	---	0.202	0.236	0.147	0.115	0.164	0.171	---	---	---	1941
1942	---	---	0.487	2.07	0.538	0.682	0.330	0.335	0.331	0.336	---	---	0.636	1942
1943	---	---	---	1.29	0.982	1.07	0.587	0.515	0.534	0.562	---	---	---	1943
1944	---	---	---	0.723	0.462	0.437	0.283	0.303	0.262	0.321	---	---	---	1944
1945	---	---	---	0.690	0.437	0.558	0.267	0.212	0.288	0.291	---	---	---	1945
1946	---	---	---	0.397	0.377	0.291	0.219	0.186	0.222	0.342	---	---	---	1946
1947	---	---	---	1.26	1.07	0.639	0.338	0.354	0.457	---	---	---	---	1947
1948	---	---	---	4.72	1.71	3.94	1.79	1.11	0.942	---	---	---	---	1948
1949	---	---	---	---	1.14	0.763	0.516	0.443	0.469	---	---	---	---	1949
1950	---	---	---	2.57	1.61	1.01	0.625	0.437	0.405	0.461	---	---	---	1950
1951	---	---	---	---	1.87	2.80	2.50	1.86	1.74	---	---	---	---	1951
1952	---	---	---	---	1.42	1.04	0.818	0.772	0.727	0.724	---	---	---	1952
1953	---	---	---	---	2.58	3.78	1.60	1.20	1.14	1.06	---	---	---	1953
1954	---	---	---	---	2.17	1.15	0.805	0.813	0.865	---	---	---	---	1954
1955	---	---	---	---	---	1.34	1.03	0.757	0.799	---	---	---	---	1955
1956	---	---	---	1.08	1.11	0.731	0.788	0.637	0.518	0.559	---	---	---	1956
1957	---	---	---	1.10	1.10	0.616	0.376	0.470	0.451	---	---	---	---	1957
1958	---	---	---	2.13	0.726	0.636	0.567	0.436	0.470	---	---	---	---	1958
1959	---	---	---	1.56	1.50	0.848	0.451	0.384	0.459	---	---	---	---	1959
1960	---	---	---	0.966	0.999	0.506	0.363	0.404	0.383	---	---	---	---	1960
1961	---	---	---	0.511	0.605	0.337	0.327	0.293	0.410	0.395	---	---	---	1961
1962	---	---	---	1.06	0.562	0.374	0.277	0.229	0.293	---	---	---	---	1962
1963	---	---	---	0.401	0.341	0.380	0.270	0.198	0.201	---	---	---	---	1963
1964	---	---	---	0.827	1.27	1.36	0.605	0.583	0.697	---	---	---	---	1964
1965	---	---	---	3.16	1.18	1.19	0.771	0.593	0.793	0.664	---	---	---	1965
1966	---	---	---	0.969	0.828	1.48	1.00	0.837	0.791	0.897	---	---	---	1966
1967	---	---	---	1.47	4.64	1.54	0.817	0.774	0.757	0.786	---	---	---	1967
1968	---	---	---	0.910	1.37	1.12	0.681	0.557	0.901	0.893	---	---	---	1968
1969	---	---	---	---	1.00	1.20	0.836	0.618	0.579	0.685	---	---	---	1969
1970	---	---	---	1.16	1.50	0.859	0.537	0.459	0.501	0.593	---	---	---	1970
1971	---	---	---	1.37	0.935	0.602	0.409	0.359	0.387	0.414	---	---	---	1971
1972	---	---	---	1.18	1.51	0.787	0.552	0.418	0.463	0.433	---	---	---	1972
1973	---	---	---	0.684	0.524	0.364	0.314	0.291	0.297	0.310	---	---	---	1973
1974	---	---	---	1.13	1.02	0.562	0.363	0.402	0.350	0.323	---	---	---	1974
1975	---	---	---	1.13	3.19	2.21	1.25	0.996	0.895	0.912	---	---	---	1975
1976	---	---	---	1.07	1.01	0.777	0.567	0.534	0.418	0.470	---	---	---	1976
1977	---	---	---	0.822	0.433	0.324	0.285	0.370	0.356	0.371	---	---	---	1977
1978	---	---	---	0.687	0.745	0.462	0.408	0.330	0.507	0.427	---	---	---	1978
1979	---	---	---	1.62	1.52	0.827	0.482	0.463	0.443	0.479	---	---	---	1979
1980	---	---	0.526	1.05	0.850	0.675	0.445	0.472	0.483	0.506	---	---	0.625	1980
1981	---	---	0.547	0.657	1.15	0.951	0.727	0.607	0.603	0.691	---	---	0.742	1981
1982	---	---	---	---	0.886	0.991	0.436	0.364	0.381	0.415	---	---	---	1982
1983	---	---	0.440	0.429	0.396	0.290	0.275	0.221	0.261	0.260	---	---	0.322	1983
1984	---	---	0.341	0.395	0.314	0.256	0.154	0.154	0.204	0.232	---	---	0.256	1984
1985	---	---	0.412	0.454	0.387	0.240	0.116	0.164	0.289	0.306	---	---	0.296	1985
1986	---	---	0.501	0.457	0.489	0.285	0.164	0.171	0.279	0.290	---	---	0.327	1986
1987	---	---	0.489	0.940	0.341	0.242	0.289	0.278	0.274	0.303	---	---	0.393	1987
1988	---	---	0.381	0.372	0.282	0.197	0.149	0.138	0.177	0.198	---	---	0.237	1988
1989	---	---	0.591	0.532	0.401	0.572	0.252	0.267	0.297	0.319	---	---	0.403	1989
1990	---	---	0.589	0.845	0.782	0.499	0.374	0.330	0.310	0.357	---	---	0.510	1990
MEAN	---	---	0.482	1.14	0.988	0.822	0.522	0.444	0.505	0.464	0.206	---	0.432	MEAN

LOCATION - LAT 48 58 15 N DRAINAGE AREA, 156 km²
LONG 113 03 19 W NATURAL FLOW
INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STATDARD PERIOD IN 1912, 1962 AND 1986

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	8.67 ON MAR 28	5.52 ON APR 01	---	---	1912
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	3.37 AT 23:30 MST ON JUN 21	1.81 ON JUN 22	---	---	1923
1924	4.76 AT 15:00 MST ON JUN 07	3.28 ON JUN 07	---	---	1924
1925	---	1.70 E ON MAY 01	---	---	1925
1926	4.53E ON APR 10	1.13 E ON APR 01	---	---	1926
1927	18.7 AT 14:00 MST ON MAY 29	12.9 ON MAY 29	---	---	1927
1928	---	---	---	---	1928
1929	4.02 AT 01:00 MST ON JUN 02	2.69 ON JUN 02	---	---	1929
1930	---	---	---	---	1930
1931	---	---	---	---	1931
1932	---	0.677A ON APR 07	---	---	1932
1933	---	---	---	---	1933
1934	2.92 AT 02:45 MST ON JUN 07	2.21 ON JUN 07	---	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	18.7 AT 22:30 MST ON JUN 12	7.36 ON JUN 13	---	---	1937
1938	---	---	---	---	1938
1939	---	0.663 ON JUN 16	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	15.0 AT 22:10 MST ON APR 07	8.55 ON APR 05	---	---	1942
1943	---	2.41 ON JUN 09	---	13 500	1943
1944	---	2.52 B ON APR 01	---	---	1944
1945	8.86 AT 05:00 MST ON APR 21	3.23 ON APR 21	---	---	1945
1946	---	0.595E ON OCT 29	---	---	1946
1947	---	2.12 ON APR 28	---	---	1947
1948	42.5 E ON JUN 17	28.9 E ON JUN 17	---	---	1948
1949	3.60 AT 00:30 MST ON MAY 20	2.41 ON MAY 20	---	---	1949
1950	15.6 E ON APR 17	3.26 E ON APR 01	---	---	1950
1951	42.2 AT 08:00 MST ON JUN 24	27.4 ON JUN 24	---	---	1951
1952	---	---	---	---	1952
1953	60.0 AT 22:00 MST ON APR 22	37.4 ON APR 22 *	---	---	1953
1954	11.0 AT 05:00 MST ON APR 17	7.31 ON APR 17	---	---	1954
1955	39.6 ON MAY 18	---	---	---	1955
1956	6.88 AT 18:00 MST ON JUL 03	3.77 ON JUL 03	---	---	1956
1957	---	5.27 ON MAY 04	---	---	1957
1958	25.9 AT 03:00 MST ON APR 14	10.4 ON APR 13	---	---	1958
1959	---	2.89 ON MAY 19	---	---	1959
1960	---	1.67 ON APR 05	---	---	1960
1961	---	1.59 ON MAY 10	---	---	1961
1962	---	3.88 B ON MAR 27	---	---	1962
1963	---	1.12 ON JUN 22	---	---	1963
1964	18.5 AT 15:00 MST ON JUN 08	11.1 ON JUN 08	---	---	1964
1965	---	7.14 B ON APR 06	---	---	1965
1966	15.0 AT 21:00 MST ON JUN 04	7.82 ON JUN 04	---	---	1966
1967	87.5 AT 19:00 MST ON MAY 08 *	34.8 ON MAY 08	---	---	1967
1968	6.51 AT 20:15 MDT ON JUN 07	2.78 ON JUN 07	---	---	1968
1969	---	---	---	---	1969
1970	8.33 AT 05:00 MDT ON MAY 04	4.25 ON MAY 04	---	---	1970
1971	---	4.26 ON APR 05	---	---	1971
1972	6.71 AT 00:30 MST ON APR 07	3.23 ON APR 07	---	---	1972
1973	2.61 AT 02:30 MST ON APR 12	1.39 ON APR 12	---	---	1973
1974	4.90B AT 23:30 MST ON APR 06	2.52 ON APR 07	---	---	1974
1975	31.4 AT 07:45 MST ON JUN 20	18.8 ON JUN 20	---	---	1975
1976	3.09 AT 16:45 MST ON MAY 05	2.12 ON MAY 05	---	---	1976
1977	1.53B AT 01:45 MST ON APR 08	1.19 B ON APR 08	---	---	1977
1978	2.61 AT 09:45 MDT ON SEP 12	1.93 ON SEP 12	---	---	1978
1979	4.81 AT 01:15 MST ON APR 18	3.62 ON APR 17	---	---	1979
1980	7.36 AT 15:30 MDT ON MAY 26	5.55 B ON APR 15	0.396 ON JUL 30	13 200	1980
1981	6.37 AT 23:15 MDT ON MAY 15	4.39 ON JUN 14	0.425B ON MAR 03	15 700	1981
1982	20.3 AT 01:30 MDT ON APR 23	7.90 ON APR 22	---	---	1982
1983	1.42B AT 03:00 MDT ON MAR 10	0.850B ON MAR 10	0.204 ON AUG 04	6 810	1983
1984	1.05 AT 08:00 MST ON APR 20	0.846 ON APR 20	0.127 ON JUL 21	5 420	1984
1985	3.60 AT 12:00 MST ON MAY 30	1.98 ON MAY 30	0.071 ON MAY 22 *	6 260	1985
1986	70.8 ON FEB 24	0.991 ON MAY 05	0.133 ON JUL 30	6 920	1986
1987	13.9 AT 23:30 MST ON APR 05	5.66 ON APR 05	0.190 ON JUL 15	9 320	1987
1988	1.30 AT 06:30 MST ON APR 03	0.821 ON APR 03	0.116 ON JUL 31	5 010	1988
1989	6.17 AT 08:00 MST ON JUN 11	3.96 ON JUN 11	0.113B ON MAR 01	8 530	1989
1990	3.45 AT 06:30 MDT ON MAY 29	2.10 ON MAY 29	0.283 ON AUG 07	10 800	1990
				9 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH FOX CREEK NEAR MUSKEG - STATION NO. 07AC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.140	0.120	---	---	---	---	1972
1973	---	---	---	---	0.280	0.253	0.213	0.132	0.083	---	---	---	---	1973
1974	---	---	---	---	0.211	0.149	0.125	0.102	---	---	---	---	---	1974
MEAN	---	---	---	---	0.246	0.201	0.169	0.125	0.102	---	---	---	---	MEAN

LOCATION - LAT 53 43 00 N
LONG 118 16 00 W
DRAINAGE AREA, 17.6 km^2
NATURAL FLOW

NORTH FOX CREEK NEAR MUSKEG - STATION NO. 07AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	0.606B AT 01:00 MST ON MAY 06 *	0.481 ON JUN 24 *	---	---	1973
1974	0.436 AT 05:30 MST ON JUL 12	0.371 ON JUL 12	---	---	1974
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH MILK RIVER AT KNIGHT'S RANCH - STATION NO. 11AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.67	1.18	1.46	---	---	---	1909
1910	---	---	---	---	1.44	0.955	0.595	0.547	0.739	0.654	---	---	---	1910
1913	---	---	---	---	---	---	0.755	0.732	0.675	---	---	---	---	1913
1914	---	---	---	---	---	---	0.455	---	---	---	---	---	---	1914
MEAN	---	---	---	---	1.44	0.955	0.602	0.983	0.865	1.06	---	---	---	MEAN

LOCATION - LAT 49 08 00 N LONG 112 40 00 W DRAINAGE AREA, 622 km^2 NATURAL FLOW

NORTH MILK RIVER AT KNIGHT'S RANCH - STATION NO. 11AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1913	---	---	---	---	1913
1914	---	---	---	---	1914
				---	MEAN

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.51	1.48	1.42	---	---	---	1909
1910	---	---	---	1.11	0.979	0.840	0.677	0.576	0.755	0.625	---	---	---	1910
1911	---	---	---	---	1.65	1.84	0.941	1.18	1.90	0.931	---	---	---	1911
1912	---	---	---	1.27	1.57	0.954	1.22	0.634	0.811	0.790	---	---	---	1912
1913	0.360	0.528	0.703	2.21	1.67	1.15	0.677	0.629	0.714	0.877	0.783	0.496	1.08	1913
1914	0.420	0.384	0.862	1.74	0.737	0.520	0.419	0.430	0.418	1.10	0.868	0.570	0.776	1914
1915	0.449	0.486	1.84	1.15	1.06	3.39	2.89	1.91	2.22	2.09	1.45	1.13	2.07	1915
1916	0.881	3.32	2.21	2.26	2.93	3.24	4.04	2.35	2.14	1.74	1.53	0.976	2.29	1916
1917	0.903	0.987	0.874	4.73	5.00	2.91	7.64	8.91	4.33	1.14	1.07	0.915	4.45	1917
1918	1.30	0.605	1.22	1.52	1.09	1.71	11.5	7.03	1.61	0.496	0.538	0.416	4.03	1918
1919	0.423	0.426	0.749	2.57	11.6	11.8	11.3	11.4	5.08	1.63	0.398	0.417	7.03	1919
1920	0.316	0.403	0.948	2.27	5.63	11.2	12.7	10.0	0.475	0.448	0.436	0.309	5.46	1920
1921	0.268	0.330	0.612	1.91	3.82	10.5	9.48	3.90	0.271	0.304	0.345	0.331	3.84	1921
1922	0.290	0.177	0.354	1.49	2.25	6.99	9.78	8.81	5.89	0.481	---	---	4.50	1922
1923	---	---	0.495	1.40	6.50	12.5	10.2	9.58	2.47	0.364	---	---	5.43	1923
1924	---	---	0.450	1.29	7.41	10.1	11.4	13.5	3.30	0.328	---	---	5.98	1924
1925	---	---	1.22	2.46	11.2	14.8	14.7	13.8	10.5	5.16	---	---	9.24	1925
1926	---	---	0.454	3.71	12.7	13.6	13.3	3.25	3.45	0.333	---	---	6.35	1926
1927	---	---	1.10	2.60	3.85	4.46	12.2	13.3	2.24	1.67	---	---	5.20	1927
1928	---	---	---	2.11	1.67	14.9	11.4	12.7	2.65	1.49	---	---	---	1928
1929	---	---	1.17	2.44	3.49	11.6	13.9	13.2	8.41	3.46	---	---	7.21	1929
1930	---	---	4.11	2.25	1.32	9.01	15.0	13.3	5.33	0.599	---	---	6.37	1930
1931	---	---	0.859	2.79	10.6	13.2	15.8	14.8	2.78	1.85	---	---	7.99	1931
1932	---	---	2.06	2.44	15.6	14.7	16.9	16.5	5.48	0.724	---	---	9.77	1932
1933	---	---	0.613	2.17	12.8	14.7	17.7	17.3	7.52	1.87	---	---	9.35	1933
1934	---	---	0.907	3.33	18.3	17.4	19.7	17.8	1.24	0.418	---	---	9.92	1934
1935	---	0.268	0.385	1.28	11.3	16.3	19.9	16.1	8.60	0.254	---	---	9.27	1935
1936	---	---	0.342	2.39	12.7	19.7	20.6	13.8	2.36	1.22	---	---	9.16	1936
1937	---	---	0.365	1.41	15.5	8.90	19.2	20.0	5.14	0.354	---	---	8.92	1937
1938	---	---	0.636	2.89	11.9	16.9	18.6	18.7	4.45	2.02	---	---	9.54	1938
1939	---	---	0.694	3.86	16.0	18.8	18.6	13.2	0.590	1.15	4.97	---	9.13	1939
1940	---	---	0.589	0.670	11.2	16.5	18.1	10.1	0.265	0.230	---	---	7.23	1940
1941	---	---	0.384	2.68	14.5	15.5	17.9	7.49	2.39	0.171	---	---	7.63	1941
1942	---	---	0.509	8.90	19.2	6.42	18.8	16.5	13.1	0.767	---	---	10.6	1942
1943	---	---	1.44	1.71	1.21	10.8	14.4	15.5	15.1	2.30	---	---	7.79	1943
1944	---	---	0.679	3.09	14.4	12.9	12.1	9.27	1.89	0.309	---	---	6.84	1944
1945	---	---	0.544	1.70	16.3	17.1	16.9	16.5	14.7	2.50	---	---	10.8	1945
1946	---	---	0.599	10.6	16.3	17.8	16.5	15.3	14.9	0.579	---	---	11.5	1946
1947	---	---	2.92	2.07	6.20	14.0	16.9	17.1	11.5	0.965	---	---	9.03	1947
1948	---	---	1.63	5.22	5.42	17.9	15.6	17.0	12.3	1.33	---	---	9.28	1948
1949	---	---	1.29	2.31	15.5	17.2	16.3	15.5	10.1	0.683	---	---	9.86	1949
1950	---	---	0.840	2.96	4.66	11.2	15.6	14.6	15.2	14.8	---	---	9.99	1950
1951	---	---	1.57	3.43	2.42	8.59	16.8	18.4	7.08	2.07	---	---	7.56	1951
1952	---	---	2.63	4.52	1.72	1.23	13.9	16.7	16.4	4.89	---	---	7.75	1952
1953	---	---	1.90	6.44	17.3	9.72	7.19	15.5	15.7	2.34	---	---	9.49	1953
1954	---	---	1.19	3.14	6.35	12.1	16.4	16.7	3.20	0.886	---	---	7.51	1954
1955	---	---	0.950	2.39	5.99	9.53	16.0	17.7	9.61	0.879	---	---	7.89	1955
1956	---	---	1.91	4.20	15.6	17.4	17.4	16.4	15.7	7.86	---	---	12.1	1956
1957	---	---	1.48	4.81	17.6	17.2	16.3	15.8	9.86	0.783	---	---	10.5	1957
1958	---	---	0.660	4.51	16.9	18.5	18.2	18.0	9.62	0.547	---	---	10.9	1958
1959	---	---	1.17	11.5	19.3	18.3	16.7	17.9	18.2	5.28	---	---	13.5	1959
1960	---	---	2.49	2.05	15.7	19.7	19.1	18.5	12.0	0.494	---	---	11.1	1960
1961	---	---	0.718	12.2	12.8	18.7	18.5	19.1	12.8	2.16	---	---	12.0	1961
1962	---	---	1.57	13.7	19.1	18.8	18.4	17.3	1.33	0.204	---	---	11.3	1962
1963	---	0.775	0.500	15.8	17.3	19.9	19.0	19.1	12.3	0.213	---	---	13.0	1963
1964	---	---	0.406	9.61	17.0	11.6	10.4	20.0	16.7	0.783	---	---	10.8	1964
1965	---	---	1.07	4.20	2.01	20.7	13.9	19.2	11.8	0.820	---	---	9.17	1965
1966	---	---	1.85	1.25	16.6	20.6	17.3	19.8	15.3	0.958	---	---	11.7	1966
1967	---	---	1.95	1.93	4.85	6.07	19.6	19.8	17.6	0.859	---	---	9.08	1967
1968	---	---	1.36	12.5	19.0	20.7	19.8	19.1	13.9	1.11	---	---	13.4	1968
1969	---	---	1.70	4.13	10.7	21.0	19.9	20.4	10.1	0.816	---	---	11.1	1969
1970	---	---	0.853	7.54	8.73	16.5	18.9	18.9	9.77	0.551	---	---	10.2	1970
1971	---	---	0.698	2.00	7.26	6.93	19.6	19.1	19.2	4.75	---	---	9.96	1971
1972	---	---	4.01	1.63	16.6	14.2	19.5	19.5	19.6	6.36	---	---	12.7	1972
1973	---	---	0.679	2.32	13.6	20.4	19.4	15.8	0.349	0.317	---	---	9.08	1973
1974	---	---	0.929	14.1	17.3	16.7	19.7	18.4	14.2	0.377	---	---	12.7	1974
1975	---	---	0.381	1.50	4.80	6.14	8.64	18.9	15.8	1.04	---	---	7.14	1975
1976	---	---	1.61	3.12	17.6	21.1	20.2	20.3	16.4	0.53	---	---	13.1	1976
1977	---	---	0.449	1.03	14.3	18.6	5.42	5.31	2.67	0.335	---	---	5.99	1977
1978	---	---	2.38	0.814	1.99	11.1	14.2	14.5	4.64	0.457	---	---	6.27	1978
1979	---	---	2.64	2.20	3.77	18.5	17.9	17.7	5.26	0.462	---	---	8.55	1979
1980	---	---	3.87	12.8	15.2	19.1	19.2	17.8	7.21	0.509	---	---	11.9	1980
1981	---	---	11.4	10.0	16.7	19.5	19.8	17.5	15.9	0.791	---	---	13.9	1981
1982	---	---	0.820	2.59	14.8	15.4	16.5	0.452	0.380	0.423	---	---	6.42	1982
1983	---	---	7.38	11.1	8.16	17.0	18.7	17.0	0.487	0.249	---	---	10.0	1983
1984	---	---	7.88	6.07	9.15	18.5	18.9	13.0	0.204	0.210	---	---	9.25	1984
1985	---	---	1.71	16.7	19.8	19.4	14.4	17.6	12.1	0.385	---	---	12.7	1985
1986	---	---	0.708	8.76	8.09	11.9	16.4	15.4	2.24	0.294	---	---	7.66	1986
1987	---	---	8.91	6.82	13.3	16.6	12.7	14.7	4.73	0.265	---	---	9.75	1987
1988	---	---	6.24	15.7	17.3	18.6	15.9	3.89	0.158	0.187	---	---	9.76	1988
1989	---	---	5.87	15.0	19.4	20.9	18.9	16.9	16.5	13.4	---	---	15.8	1989
1990	---	---	0.827	5.52	17.0	14.7	18.6	16.6	16.2	5.95	---	---	12.0	1990
MEAN	0.561	0.730	1.75	4.74	10.1	13.3	14.6	13.6	7.75	1.66	1.24	0.618	8.83	MEAN

LOCATION - LAT 49 01 19 N DRAINAGE AREA, 238 km² INTERNATIONAL GAUGING STATION
LONG 112 58 16 W REGULATED SINCE 1916

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1986

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	19.9 CN JUN 25	2.04 CN JUN 08	---	---	1911
1912	---	9.95 CN JUN 25	---	---	1912
1913	---	1.71 CN MAY 22	---	---	1913
1914	---	7.87B CN APR 14	---	---	1914
		14.6 CN APR 05	0.481 CN AUG 07	22 800	
			0.314 CN AUG 07	16 400	
1915	15.8	8.41 CN SEP 03	0.481 CN APR 29	43 700	1915
1916	---	6.82 CN JUN 28	1.02 B CN MAR 01	48 400	1916
1917	13.9 CN APR 09	13.6 CN APR 09	0.651B CN MAR 01	94 100	1917
1918	---	12.1 CN JUL 16	0.459 CN OCT 09	85 200	1918
1919	13.5 AT 06:00 MST CN MAY 09	13.1 CN MAY 09	0.227B CN MAR 01	149 000	1919
1920	25.4 CN MAY 08	21.9 CN MAY 08	0.297B CN MAR 06	116 000	1920
1921	13.4 AT 15:00 MST CN JUN 20	13.1 CN JUN 20	0.195 CN SEP 23	81 300	1921
1922	14.5 AT 19:00 MST CN AUG 17	14.2 CN AUG 17	0.198B CN MAR 01	95 100	1922
1923	19.1 AT 01:00 MST CN JUN 22	16.1 CN JUN 22	0.255B CN MAR 02	115 000	1923
1924	19.1 AT 14:00 MST CN JUN 07	16.3 CN JUN 07	0.266 CN SEP 29	127 000	1924
1925	16.7 AT 01:00 MST CN AUG 16	15.8 CN JUN 14	0.263B CN MAR 13	196 000	1925
1926	---	15.4 CN JUN 20	0.300A CN APR 03	134 000	1926
1927	21.8 AT 18:00 MST CN MAY 29	14.3 CN MAY 30	0.091B CN MAR 01	110 000	1927
1928	27.1 AT 23:00 MST CN JUN 24	24.4 CN JUN 18	---	---	1928
1929	20.6 AT 09:00 MST CN JUN 02	18.3 CN JUN 02	0.345B CN MAR 01	153 000	1929
1930	16.9 AT 10:00 MST CN JUL 19	15.0 CN JUL 19	0.314B CN MAR 02	135 000	1930
1931	17.4 AT 16:30 MST CN JUN 30	16.7 CN JUL 11	0.278 CN OCT 11	169 000	1931
1932	20.0 AT 11:30 MST CN JUN 16	18.1 CN JUN 16	0.283B CN MAR 12	207 000	1932
1933	18.7 AT 19:00 MST CN JUN 28	14.5 CN AUG 24	0.238 CN SEP 28	198 000	1933
1934	26.0 AT 02:30 MST CN JUN 27	22.5 CN JUN 07	0.266 CN SEP 16	210 000	1934
1935	21.1 AT 21:00 MST CN JUL 28	20.5 CN JUL 21	0.170B CN OCT 31	196 000	1935
1936	21.4 AT 09:30 MST CN MAY 28	21.3 CN MAY 28	0.085B CN APR 04	194 000	1936
1937	24.0 AT 21:00 MST CN JUN 12	30.9 CN JUN 13	0.142B CN MAR 21	189 000	1937
1938	25.2 AT 21:00 MST CN JUN 26	20.6 CN JUN 26	0.193 CN SEP 21	202 000	1938
1939	20.3 AT 06:00 MST CN JUN 16	19.7 CN JUN 16	0.057B CN MAR 01	193 000	1939
1940	20.7 AT 18:30 MST CN JUL 27	20.1 CN JUL 27	0 B CN MAR 01 *	153 000	1940
1941	20.0 AT 15:00 MST CN JUN 03	19.9 CN JUN 04	0.153 CN OCT 10	162 000	1941
1942	25.5 AT 16:30 MST CN JUN 05	24.2 CN JUN 05	0.113B CN MAR 01	123 000	1942
1943	17.7 AT 16:00 MST CN JUN 13	17.3 CN JUN 13	0.227B CN MAR 15	165 000	1943
1944	17.2 AT 03:00 MST CN JUL 26	17.1 CN JUL 22	0.280 CN OCT 24	145 000	1944
1945	19.7 AT 02:00 MST CN JUN 05	18.2 CN JUN 05	0.227B CN MAR 04	228 000	1945
1946	18.5 AT 02:00 MST CN JUN 15	18.2 CN JUN 24	0.221 CN OCT 27	244 000	1946
1947	18.8 AT 13:30 MST CN JUL 19	17.4 CN JUN 29	0.113B CN MAR 11	191 000	1947
1948	81.5 AT 09:30 MST CN JUN 17 *	45.3 CN JUN 17	0.311B CN MAR 01	196 000	1948
1949	20.1 AT 09:30 MST CN MAY 17	18.9 CN MAY 17	0.396B CN MAR 15	209 000	1949
1950	18.0	17.8 CN MAY 17	0.623B CN MAR 29	211 000	1950
1951	---	46.7 CN JUN 24 *	0.170B CN MAR 01	160 000	1951
1952	25.1B AT 22:00 MST CN APR 06	17.8 CN JUL 19	0.821B CN MAR 03	164 000	1952
1953	47.6 AT 10:00 MST CN JUN 03	37.7 CN JUN 03	0.538B CN MAR 01	201 000	1953
1954	18.0 AT 20:00 MST CN AUG 26	17.4 CN AUG 27	0.708B CN MAR 30	159 000	1954
1955	28.0 AT 19:00 MST CN MAY 18	19.1 CN JUL 11	0.198B CN MAR 25	167 000	1955
1956	28.9 AT 20:00 MST CN JUL 03	23.2 CN JUL 03	0.340B CN MAR 17	255 000	1956
1957	19.3 AT 12:00 MST CN MAY 21	19.0 CN MAY 21	0.566B CN MAR 07	222 000	1957
1958	23.8 AT 21:00 MST CN APR 12	20.2 CN MAY 13	0.311B CN MAR 06	230 000	1958
1959	24.2 AT 05:00 MST CN MAY 19	22.2 CN MAY 19	0.510B CN MAR 10	286 000	1959
1960	21.2 CN JUN 20	21.1 CN JUN 19	0.113B CN MAR 01	236 000	1960
1961	24.4 AT 17:00 MST CN AUG 16	19.2 CN MAY 27	0.396B CN MAR 07	253 000	1961
1962	22.1 AT 04:00 MST CN APR 14	27.9 CN JUN 14	0.147B CN MAR 10	239 000	1962
1963	23.4 AT 17:00 MST CN JUN 22	22.3 CN JUN 22	0.201 CN OCT 02	275 000	1963
1964	54.9 AT 16:00 MST CN JUN 08	38.5 CN JUN 08	0.210B CN MAR 04	228 000	1964
1965	31.7 AT 09:30 MST CN JUN 17	28.3 CN JUN 26	0.657B CN MAR 23	194 000	1965
1966	44.2 AT 21:00 MST CN JUN 04	34.3 CN JUN 04	0.552B CN MAR 03	248 000	1966
1967	60.6 AT 22:00 MST CN MAY 08	25.3 CN MAY 08	0.447B CN APR 20	192 000	1967
1968	28.9 AT 23:30 MST CN JUN 07	24.0 CN JUN 07	0.827B CN MAR 10	284 000	1968
1969	27.5 AT 07:35 MST CN JUN 26	25.6 CN JUN 29	0.345B CN MAR 13	234 000	1969
1970	29.2 AT 17:26 MST CN JUN 13	25.4 CN JUN 13	0.433B CN OCT 27	216 000	1970
1971	21.7 AT 08:00 MST CN JUN 29	21.4 CN JUN 29	0.187B CN MAR 06	211 000	1971
1972	42.5B AT 22:00 MST CN MAR 16	16.0 B CN MAR 16	0.275B CN MAR 04	269 000	1972
1973	21.0 AT 12:40 MST CN JUN 10	20.7 CN JUN 10	0.286 CN SEP 12	192 000	1973
1974	28.9 AT 20:00 MST CN APR 30	24.6 CN APR 30	0.227B CN MAR 06	268 000	1974
1975	56.4 AT 06:50 MST CN JUN 20	41.9 CN JUN 20	0.311B CN APR 06	151 000	1975
1976	25.2 AT 05:20 MST CN JUN 14	23.5 CN JUN 14	0.496 CN OCT 28	177 000	1976
1977	19.5 AT 08:20 MST CN JUN 16	19.4 CN JUN 11	0.297 CN OCT 19	147 000	1977
1978	19.6 AT 07:55 MST CN AUG 23	19.6 CN JUL 08	0.379A CN OCT 31	133 000	1978
1979	21.7 AT 10:35 MST CN JUN 18	21.1 CN JUN 18	0.364 CN SEP 29	181 000	1979
1980	31.6 AT 13:40 MST CN MAY 26	28.2 CN MAY 26	0.416 CN SEP 30	253 000	1980
1981	33.9 AT 05:50 MST CN JUN 14	29.1 CN JUN 14	0.591B CN MAR 01	295 000	1981
1982	22.2 AT 07:40 MST CN MAY 28	20.4 CN MAY 27	0.301 CN SEP 09	136 000	1982
1983	20.4 AT 10:15 MST CN JUL 17	19.5 CN JUL 17	0.217 CN SEP 26	212 000	1983
1984	20.1 AT 22:05 MST CN JUN 21	19.7 CN JUN 22	0.140 CN SEP 19	196 000	1984
1985	27.8 AT 12:30 MST CN MAY 30	25.5 CN MAY 30	0.136A CN OCT 31	269 000	1985
1986	16.0B CN FEB 24	17.6 CN JUN 29	0.238 CN SEP 29	162 000	1986
1987	22.0 AT 02:18 MST CN APR 06	19.7 CN MAY 21	0.227 CN OCT 04	206 000	1987
1988	21.0 AT 13:04 MST CN MAY 23	20.6 CN MAY 18	0.092 CN SEP 07	207 000	1988
1989	31.2 AT 05:00 MST CN JUN 11	27.6 CN JUN 11	0.136B CN MAR 02	335 000	1989
1990	27.9 AT 05:18 MST CN MAY 29	22.6 CN MAY 29	0.264B CN MAR 13	255 000	1990
				187 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	1.62	1.61	1.17	0.724	0.488	---	---	---	1975
1976	---	---	---	---	1.51	1.94	2.68	3.61	1.61	0.911	---	---	2.05	1976
1977	---	---	---	---	3.31	6.17	3.88	3.84	3.20	1.94	---	---	3.71	1977
1978	---	---	---	---	4.97	12.7	8.50	4.41	4.98	2.42	---	---	6.31	1978
1979	---	---	---	---	2.97	3.51	2.34	1.67	0.974	0.723	---	---	2.03	1979
1980	---	---	---	---	2.71	18.7	5.34	3.18	2.77	1.95	---	---	5.71	1980
1981	---	---	---	---	4.68	3.46	17.9	5.95	1.91	1.29	---	---	5.90	1981
1982	---	---	---	---	0.957	5.32	9.47	1.97	1.45	1.44	---	---	3.43	1982
1983	---	---	---	---	2.42	4.24	5.07	1.47	0.959	0.761	---	---	2.48	1983
1984	---	---	---	---	0.579	5.21	2.21	1.03	1.46	2.01	---	---	2.07	1984
1985	---	---	---	---	0.761	3.44	2.95	3.43	6.82	2.62	---	---	3.32	1985
1986	---	---	---	---	6.39	6.48	12.9	4.32	2.37	5.05	---	---	6.27	1986
1987	---	---	---	---	0.690	1.15	3.55	5.36	2.66	1.24	---	---	2.45	1987
1988	---	---	---	---	0.630	2.72	2.42	2.60	1.54	1.22	---	---	1.85	1988
1989	---	---	---	---	2.92	2.91	3.55	6.39	5.39	1.98	---	---	3.85	1989
1990	---	---	---	---	7.91	14.9	6.43	2.49	1.59	1.09	---	---	5.70	1990
MEAN	---	---	---	---	2.89	5.90	5.68	3.31	2.53	1.70	---	---	3.81	MEAN

LOCATION - LAT 52 16 55 N LONG 115 59 30 W DRAINAGE AREA, 348 km² NATURAL FLOW

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	2.59 AT 12:00 MST ON JUL 14	2.37 ON JUL 15	---	---	1975
1976	5.69 AT 05:30 MST ON AUG 05	5.18 ON AUG 05	0.396 ON MAY 01	32 500	1976
1977	19.0 AT 00:30 MST ON JUN 02	16.5 ON JUN 02	0.244 ON MAY 01	59 000	1977
1978	23.3 AT 23:00 MST ON JUN 02	20.2 ON JUN 02	1.40 ON MAY 07	100 000	1978
1979	11.7 AT 20:30 MST ON MAY 24	8.89 ON MAY 24	0.589 ON MAY 08	32 300	1979
1980	54.1 AT 03:45 MST ON JUN 05	49.3 ON JUN 05	1.34 ON MAY 22	90 800	1980
1981	72.4 AT 18:55 MST ON JUL 14 *	63.2 ON JUL 15 *	0.519 ON MAY 01	93 800	1981
1982	33.4 AT 20:22 MST ON JUL 06	31.5 ON JUL 06	0.300E ON MAY 01	54 600	1982
1983	8.73 AT 13:01 MST ON JUN 24	8.31 ON JUN 25	0.665 ON OCT 26	39 500	1983
1984	13.8 AT 01:17 MST ON JUN 09	12.7 ON JUN 09	0.267 ON MAY 05	32 900	1984
1985	20.1 AT 13:12 MST ON SEP 13	19.3 ON SEP 13	0.215 ON MAY 01 *	52 700	1985
1986	42.7 AT 06:31 MST ON JUL 18	41.1 ON JUL 18	0.388 ON MAY 01	99 700	1986
1987	8.08 AT 23:37 MST ON AUG 16	7.81 ON AUG 16	0.536 ON MAY 01	38 900	1987
1988	11.1 AT 07:55 MST ON JUN 08	7.22 ON JUN 09	0.517 ON JUN 04	29 400	1988
1989	16.1 AT 21:10 MST ON AUG 16	13.0 ON AUG 17	1.27 B ON OCT 31	61 300	1989
1990	38.9 AT 20:25 MST ON JUN 30	29.7 ON MAY 26	0.889 ON OCT 23	90 600	1990
				60 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR JAN TO DEC IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	262	493	796	697	326	187	72.8	46.8	---	1911
1912	35.6	37.6	37.3	131	338	517	967	749	365	203	90.0	47.6	295	1912
1913	39.5	37.2	37.3	233	275	561	608	524	267	128	66.7	30.9	235	1913
1914	34.4	27.0	32.2	84.4	257	697	535	314	184	129	70.0	31.2	200	1914
1915	34.7	30.6	47.5	94.0	237	1 080	1 210	667	292	161	85.4	48.6	334	1915
1916	44.9	32.8	49.9	135	196	725	829	592	469	212	122	73.2	290	1916
1917	47.7	39.6	37.9	140	723	716	582	372	241	167	98.4	51.9	271	1917
1918	45.4	35.0	54.4	197	186	551	479	400	238	145	74.3	40.9	205	1918
1919	35.2	28.5	24.7	90.3	166	266	341	419	277	106	46.4	32.8	153	1919
1920	33.4	32.8	33.1	79.8	661	468	699	417	184	97.4	59.3	28.7	234	1920
1921	33.1	31.5	32.2	177	329	428	437	371	127	78.1	39.8	29.1	177	1921
1922	22.5	22.8	25.5	69.1	247	420	410	472	246	116	49.7	21.8	178	1922
1923	20.1	26.8	25.2	82.5	159	969	683	545	303	143	74.1	61.0	258	1923
1924	26.1	27.6	31.1	58.9	357	412	485	490	272	127	56.4	34.7	199	1924
1925	28.8	26.6	28.2	355	279	548	517	767	477	266	81.6	71.9	288	1925
1926	41.0	39.5	51.3	182	175	382	454	523	774	294	128	59.1	240	1926
1927	44.1	41.6	58.8	269	343	682	785	526	329	193	72.0	54.0	285	1927
1928	69.4	66.4	89.4	157	236	915	944	423	250	112	64.0	42.4	279	1928
1929	29.9	27.9	36.3	65.9	261	463	284	303	194	93.7	47.6	32.8	154	1929
1930	29.9	31.9	43.6	123	205	449	444	352	225	109	53.8	41.5	176	1930
1931	30.5	27.1	27.7	69.5	102	398	585	368	240	125	64.6	54.6	182	1931
1932	40.6	31.9	27.2	156	315	840	435	421	250	122	61.7	41.0	228	1932
1933	43.5	34.8	24.7	141	447	476	467	372	252	91.3	44.9	30.3	204	1933
1934	39.1	35.3	67.3	158	282	410	322	292	162	105	54.5	40.7	165	1934
1935	22.6	27.3	26.7	156	279	535	831	491	228	114	98.1	34.9	239	1935
1936	34.6	32.9	24.7	340	408	497	345	346	197	101	60.4	25.6	201	1936
1937	16.7	16.4	24.9	66.0	208	362	514	323	222	120	87.5	48.0	168	1937
1938	37.4	21.7	30.9	76.1	176	575	610	425	244	156	68.2	40.4	214	1938
1939	36.4	30.9	54.4	101	184	438	487	346	194	122	82.1	42.3	177	1939
1940	27.6	23.2	29.0	251	297	331	404	290	256	128	49.9	38.7	178	1940
1941	27.9	29.2	31.2	70.5	96.6	317	402	342	184	117	51.1	32.9	143	1941
1942	31.0	28.9	24.6	91.4	187	531	707	486	308	153	80.1	57.1	225	1942
1943	45.5	34.7	36.2	320	164	483	560	385	186	102	43.9	25.3	200	1943
1944	28.6	29.1	35.4	95.5	218	1 040	652	551	274	143	70.3	31.1	264	1944
1945	34.5	33.0	37.4	63.9	243	410	491	327	186	180	73.9	50.3	171	1945
1946	44.0	39.2	41.5	131	224	720	472	300	214	103	38.0	55.8	199	1946
1947	47.2	40.2	49.6	217	264	511	528	334	251	153	97.6	55.0	215	1947
1948	46.6	39.2	44.1	197	1 130	718	543	559	233	114	56.6	26.4	310	1948
1949	33.5	32.6	33.0	119	165	245	433	319	166	89.0	59.0	19.6	144	1949
1950	24.4	26.0	28.0	97.8	166	555	568	349	207	95.1	40.4	38.6	184	1950
1951	30.5	26.7	27.5	97.6	466	406	626	364	288	157	92.8	56.3	221	1951
1952	53.6	46.3	48.6	290	210	944	668	454	219	137	63.1	27.1	265	1952
1953	36.4	39.7	37.8	89.6	351	784	591	509	264	115	73.1	37.6	245	1953
1954	36.8	42.4	33.6	77.4	535	969	637	864	701	243	129	74.4	363	1954
1955	46.7	53.0	45.4	178	372	555	502	268	178	82.6	38.1	37.7	197	1955
1956	35.0	29.9	30.3	214	229	471	447	330	189	101	48.6	31.8	180	1956
1957	30.9	25.6	32.1	111	384	400	303	276	225	152	97.9	52.1	175	1957
1958	43.8	38.7	38.9	153	390	570	681	364	208	103	51.0	37.9	225	1958
1959	34.9	32.9	43.7	77.5	182	636	546	294	208	138	76.0	57.0	194	1959
1960	41.5	40.2	68.9	123	234	386	619	348	159	103	50.9	35.5	185	1960
1961	36.4	33.3	48.7	111.2	559	488	390	426	177	94.8	43.9	52.0	178	1961
1962	58.3	61.5	47.2	151	544	391	482	354	185	95.4	118	67.5	187	1962
1963	54.3	65.6	85.1	252	574	468	552	342	209	106	60.9	66.6	209	1963
1964	67.0	65.3	67.6	106	372	725	507	225	230	192	109	63.7	228	1964
1965	59.3	84.6	110	315	291	1 090	1 080	459	321	236	116	81.0	355	1965
1966	102	93.3	83.3	177	555	358	654	532	238	176	89.4	73.0	237	1966
1967	86.9	91.4	77.8	124	555	687	465	288	203	94.5	67.5	62.0	209	1967
1968	88.5	91.2	113	94.3	185	364	412	391	202	135	69.5	61.3	184	1968
1969	91.1	76.8	70.6	196	258	423	725	458	208	100	85.3	68.9	231	1969
1970	67.2	74.1	73.7	153	214	521	444	257	119	83.8	57.1	74.6	179	1970
1971	62.4	50.9	53.6	228	197	590	510	402	149	95.8	75.5	53.0	206	1971
1972	71.7	67.3	84.2	154	192	903	622	274	131	147	89.0	84.7	235	1972
1973	106	122	106	242	374	338	287	201	166	161	98.6	90.7	191	1973
1974	107	142	98.7	432	431	410	333	190	204	186	124	114	231	1974
1975	127	108	105	197	229	188	183	134	108	91.1	93.2	117	140	1975
1976	108	123	121	188	187	207	180	258	215	153	151	112	167	1976
1977	131	99.4	98.6	149	224	348	219	248	225	163	115	116	187	1977
1978	127	146	134	164	219	511	462	223	268	182	168	146	231	1978
1979	112	130	181	190	243	204	203	166	129	105	93.6	81.2	153	1979
1980	82.2	94.1	152	258	199	857	423	233	218	161	127	76.0	239	1980
1981	111	102	124	159	379	274	492	467	215	159	166	129	233	1981
1982	103	128	128	240	216	282	745	168	177	162	104	129	218	1982
1983	141	115	126	280	259	240	299	143	119	118	130	107	173	1983
1984	116	106	136	200	141	233	166	148	165	176	163	109	155	1984
1985	95.8	130	154	288	191	205	138	164	223	149	149	136	168	1985
1986	105	96.7	163	245	326	350	851	273	242	260	188	192	277	1986
1987	139	153	156	243	191	195	227	186	146	126	125	122	167	1987
1988	94.6	88.2	124	163	135	194	212	187	178	188	136	116	152	1988
1989	94.5	87.3	97.3	222	279	232	316	479	298	180	162	123	215	1989
1990	160	105	169	307	409	810	744	263	187	144	107	96.3	293	1990
MEAN	59.4	57.8	65.5	167	283	517	521	374	238	141	85.5	62.7	214	MEAN

LOCATION - LAT 53 32 15 N DRAINAGE AREA 28 000 km²
LONG 113 29 04 W REGULATED SINCE 1960

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR JAN TO DEC FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	1 460 ON JUL 03	---	---	1911
1912	---	2 100 ON JUL 10	30.0 ON MAR 25	9 320 000	1912
1913	---	923 ON AUG 15	18.4 ON DEC 24	7 410 000	1913
1914	---	1 750 ON JUN 09	19.8 B ON DEC 15	6 320 000	1914
1915	5 800 ON JUN 28 *	4 640 ON JUN 29 *	28.6 B ON JAN 30	10 500 000	1915
1916	1 740 ON JUN 22	1 670 ON JUN 22	26.9 B ON MAR 04	9 170 000	1916
1917	---	1 860 ON MAY 18	27.2 B ON DEC 12	8 530 000	1917
1918	---	1 000 ON JUN 16	27.2 B ON FEB 20	6 480 000	1918
1919	---	564 ON JUN 24	19.5 B ON MAR 04	4 840 000	1919
1920	---	1 620 ON MAY 10	22.7 B ON DEC 23	7 410 000	1920
1921	776 ON MAY 23	705 ON MAY 23	10.8 B ON NOV 25	5 590 000	1921
1922	810 AT 19:00 MST ON AUG 18	731 ON AUG 18	15.3 B ON DEC 16	5 610 000	1922
1923	2 820 AT 09:00 MST ON JUN 25	2 380 ON JUN 25	15.3 B ON JAN 11	8 150 000	1923
1924	782 ON JUL 05	779 ON JUL 05	21.4 B ON DEC 26	6 290 000	1924
1925	2 180A AT 11:50 MST ON AUG 18	2 150A ON AUG 18	15.2 B ON FEB 26	9 090 000	1925
1926	---	1 660 ON SEP 04	32.3 B ON JAN 19	7 580 000	1926
1927	1 280 AT 18:00 MST ON JUN 28	1 140 ON JUN 29	37.7 B ON NOV 13	8 970 000	1927
1928	---	1 730 ON JUL 07	34.5 B ON DEC 31	8 820 000	1928
1929	---	1 080 ON JUN 05	27.3 B ON JAN 19	4 850 000	1929
1930	677 AT 06:00 MST ON JUN 13	671 ON JUL 17	27.0 B ON JAN 16	5 560 000	1930
1931	---	1 110 ON JUL 02	19.8 B ON MAR 16	7 740 000	1931
1932	---	1 870 ON JUN 04	22.5 B ON DEC 13	7 220 000	1932
1933	---	974 ON JUN 19	26.1 B ON DEC 23	6 420 000	1933
1934	---	796 ON JUN 01	18.5 B ON DEC 31	5 200 000	1934
1935	---	1 310 ON JUL 11	11.5 B ON JAN 03	7 520 000	1935
1936	---	1 140 ON APR 19	13.6 B ON DEC 23	6 360 000	1936
1937	---	892 ON JUL 17	13.6 B ON JAN 03	5 310 000	1937
1938	---	1 130 ON JUL 04	19.3 B ON FEB 04	6 760 000	1938
1939	---	855 ON JUN 28	9.40B ON DEC 31	5 590 000	1939
1940	---	1 010B ON APR 18	6.23B ON JAN 01 *	5 620 000	1940
1941	---	756 ON JUN 28	16.5 B ON NOV 26	4 500 000	1941
1942	---	1 200 ON JUL 14	22.5 B ON MAR 27	7 100 000	1942
1943	---	1 250 ON APR 12	15.6 B ON NOV 22	6 290 000	1943
1944	3 570 AT 16:00 MST ON JUN 16	3 450 ON JUN 16	19.8 B ON JAN 05	8 360 000	1944
1945	---	688 ON JUN 01	26.8 B ON JAN 01	5 390 000	1945
1946	---	1 270 ON JUN 24	17.0 B ON NOV 26	6 280 000	1946
1947	---	810 ON JUN 13	30.3 B ON MAR 17	6 770 000	1947
1948	---	1 850 ON MAY 25	20.7 B ON DEC 14	9 800 000	1948
1949	---	926 ON JUL 22	12.2 B ON DEC 13	4 530 000	1949
1950	1 520 AT 05:00 MST ON JUN 17	1 420 ON JUN 17	17.7 B ON NOV 25	5 790 000	1950
1951	1 160 AT 13:00 MST ON MAY 03	1 100 ON MAY 03	24.8 B ON MAR 19	6 980 000	1951
1952	3 740 AT 11:00 MST ON JUN 25	3 540 ON JUN 25	18.5 B ON NOV 29	8 380 000	1952
1953	1 300 AT 10:00 MST ON JUN 05	1 270 ON JUN 05	28.0 B ON JAN 01	7 730 000	1953
1954	3 340 AT 21:45 MST ON JUN 08	3 030 ON JUN 08	23.6 B ON APR 08	11 500 000	1954
1955	906 AT 01:00 MST ON JUN 15	861 ON JUN 15	16.4 B ON NOV 20	6 220 000	1955
1956	753 AT 16:00 MST ON JUN 07	722 ON JUN 07	14.3 B ON DEC 13	5 690 000	1956
1957	663 AT 07:00 MST ON MAY 22	617 ON JUN 11	22.8 B ON JAN 29	5 520 000	1957
1958	1 480 AT 18:00 MST ON JUN 30	1 410 ON JUN 30	16.9 B ON DEC 14	7 080 000	1958
1959	1 460 AT 22:00 MST ON JUN 28	1 310 ON JUN 29	18.1 B ON NOV 20	6 130 000	1959
1960	1 100 AT 13:00 MST ON JUL 03	1 040 ON JUL 03	19.8 B ON NOV 30	5 850 000	1960
1961	852 AT 21:00 MST ON JUL 31	770 ON JUL 31	16.3 B ON NOV 28	5 600 000	1961
1962	807 AT 08:00 MST ON JUL 14	765 ON AUG 06	15.7 B ON MAR 18	5 900 000	1962
1963	1 130 AT 23:59 MST ON JUL 17	1 050 ON JUL 18	17.7 B ON JAN 02	6 600 000	1963
1964	1 410 AT 01:00 MST ON JUN 21	1 350 ON JUN 21	30.3 B ON DEC 01	7 200 000	1964
1965	2 700 AT 20:00 MST ON JUN 29	2 590 ON JUN 29	50.1 B ON JAN 31	11 200 000	1965
1966	1 750 AT 12:00 MST ON JUL 06	1 630 ON JUL 06	42.5 B ON DEC 07	7 490 000	1966
1967	1 050 AT 09:00 MST ON JUN 19	1 000 ON JUN 19	34.5 B ON DEC 02	6 590 000	1967
1968	660 AT 08:00 MST ON JUN 13	597 ON AUG 09	36.8 B ON NOV 19	5 830 000	1968
1969	1 850 AT 21:49 MST ON JUL 07	1 740 ON JUL 07	50.1 B ON NOV 18	7 300 000	1969
1970	1 610 AT 14:24 MST ON JUN 18	1 520 ON JUN 18	36.0 B ON NOV 23	5 630 000	1970
1971	---	1 180A ON JUN 11	38.2 B ON DEC 18	6 500 000	1971
1972	3 200 AT 20:00 MST ON JUN 27	2 970 ON JUN 27	36.8 B ON DEC 03	7 430 000	1972
1973	719 AT 01:00 MST ON JUL 03	509 ON JUN 26	68.8 B ON NOV 12	6 030 000	1973
1974	1 120 AT 01:40 MST ON APR 24	1 060 ON APR 20	72.2 B ON JAN 13	7 290 000	1974
1975	708 AT 19:00 MST ON MAY 02	419 ON MAY 07	47.3 B ON NOV 25	4 430 000	1975
1976	487 AT 22:30 MST ON AUG 19	430 ON AUG 19	56.6 B ON DEC 07	5 280 000	1976
1977	980 AT 17:50 MST ON MAY 30	920 ON MAY 31	59.6 B ON NOV 22	5 880 000	1977
1978	1 040 AT 19:15 MST ON JUL 12	949 ON JUL 13	94.3 B ON JAN 10	7 290 000	1978
1979	704B AT 21:45 MST ON APR 26	385B ON APR 26	37.0 B ON NOV 30	4 840 000	1979
1980	2 070 AT 22:00 MST ON JUN 06	1 740 ON JUN 07	44.3 R ON DEC 08	7 570 000	1980
1981	1 220 AT 23:45 MST ON JUL 26	1 160 ON JUL 26	71.7 B ON MAR 06	7 140 000	1981
1982	2 030 AT 10:20 MST ON JUL 06	1 920 ON JUL 06	50.0 B ON NOV 22	6 860 000	1982
1983	631 AT 23:55 MST ON JUL 06	493 ON APR 27	85.9 ON NOV 14	5 460 000	1983
1984	393 AT 23:25 MST ON JUN 11	373 ON JUN 11	70.0 B ON DEC 20	4 900 000	1984
1985	705 AT 19:49 MST ON SEP 15	661 ON SEP 15	53.2 B ON JAN 03	5 310 000	1985
1986	4 520 AT 20:00 MST ON JUL 19	3 990A ON JUL 19	75.7 B ON FEB 17	8 720 000	1986
1987	---	378B ON APR 05	85.8 ON JUN 07	5 280 000	1987
1988	573 AT 22:10 MST ON JUL 07	451 ON JUL 07	62.5 B ON FEB 03	4 790 000	1988
1989	921 AT 17:17 MST ON AUG 04	853 ON AUG 05	62.6 B ON FEB 07	6 780 000	1989
1990	2 660 AT 20:20 MST ON JUL 04	2 340 ON JUL 04	55.6 B ON NOV 28	9 230 000	1990
				6 770 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

R - REVISED SINCE JAN 01 1989

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	117	67.0	28.4	---	1958
1959	33.4	36.9	48.5	119	171	579	573	302	201	157	76.5	42.4	198	1959
1960	48.6	38.9	61.6	152	209	344	583	330	164	103	59.7	35.1	178	1960
1961	42.8	32.4	44.7	85.6	490	514	776	434	192	103	75.9	39.6	181	1961
1962	51.6	48.3	53.4	205	424	523	512	386	205	130	163	71.8	208	1962
1963	65.3	84.8	84.7	404	558	480	345	305	230	156	80.0	97.2	240	1963
1964	86.1	82.3	77.5	112	358	686	526	239	227	233	109	74.9	235	1964
1965	60.7	71.6	135	362	365	1 020	1 260	500	315	262	127	93.1	383	1965
1966	99.4	99.8	86.2	192	242	359	824	514	268	186	96.3	72.1	318	1966
1967	77.1	90.7	76.0	105	318	732	468	261	197	97.6	58.0	54.5	218	1967
1968	76.4	86.1	101	151	163	341	401	385	219	142	74.7	67.6	184	1968
1969	90.4	72.1	80.2	241	271	383	690	422	231	121	---	---	---	1969
1970	---	---	---	---	219	518	467	264	138	80.1	---	---	---	1970
1971	---	---	---	---	254	623	540	420	161	110	---	---	---	1971
MEAN	66.5	68.5	77.2	193	259	539	581	372	211	141	87.9	63.4	226	MEAN

LOCATION - LAT 53 39 30 N DRAINAGE AREA, 47 700 km²
LONG 110 20 20 W REGULATED SINCE 1960

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	1 480 AT 18:00 MST ON JUN 30	1 390 ON JUN 30	22.0B ON JAN 11	6 230 000	1959
1960	---	833 ON JUL 06	18.1B ON DEC 08	5 630 000	1960
1961	796 AT 12:00 MST ON AUG 02	745 ON AUG 02	14.7B ON DEC 05 *	5 690 000	1961
1962	---	699 ON JUL 01	36.2B ON MAR 28	6 550 000	1962
1963	1 080 AT 14:00 MST ON JUL 19	1 000 ON JUL 19	35.7B ON NOV 10	7 570 000	1963
1964	---	1 300A ON JUN 22	35.4B ON DEC 25	7 420 000	1964
1965	2 890 AT 18:00 MST ON JUN 30 *	2 740 ON JUN 30 *	47.3B ON FEB 06	12 100 000	1965
1966	1 670 AT 22:00 MST ON JUL 07	1 460 ON JUL 08	44.5B ON DEC 12	7 500 000	1966
1967	---	1 020A ON JUN 20	34.0B ON DEC 06	6 760 000	1967
1968	592 AT 10:59 MST ON JUN 16	561 ON JUN 16	29.4A ON MAY 02	5 830 000	1968
1969	---	1 700 ON JUL 09	51.0B ON FEB 25	---	1969
1970	---	1 460 ON JUN 19	---	---	1970
1971	---	1 210 ON JUN 12	---	---	1971
				7 130 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	35.6	34.2	44.4	101	270	1 230	1 260	695	309	162	89.2	50.5	359	1915
1916	37.0	35.5	43.5	126	206	713	732	566	448	207	127	76.9	278	1916
1917	48.2	39.2	38.0	127	691	646	679	435	271	172	103	49.7	278	1917
1918	45.2	33.7	52.1	177	196	588	499	409	256	126	71.4	41.0	209	1918
1919	30.6	24.8	23.9	53.3	174	318	402	488	321	105	49.2	41.8	170	1919
1920	32.5	33.5	31.5	123	616	452	818	504	205	114	53.3	27.4	252	1920
1921	28.0	28.7	27.0	154	361	483	427	341	135	96.3	49.8	---	---	1921
1922	---	---	---	---	220	490	459	547	265	108	---	---	---	1922
MEAN	39.6	32.8	37.2	123	342	615	661	498	276	136	77.6	47.9	258	MEAN

LOCATION - LAT 53 12 55 N DRAINAGE AREA, 21 800 km²
LONG 114 55 52 W NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5 410 ON JUN 27 *	29.7 ON MAR 07	11 300 000	1915
1916	---	1 600 ON JUN 21	27.5B ON MAR 07	8 780 000	1916
1917	---	1 430E ON MAY 17	28.3B ON DEC 12	8 750 000	1917
1918	---	1 090 ON JUN 15	24.1B ON FEB 20	6 600 000	1918
1919	---	634 ON JUN 23	20.2B ON MAR 04 *	5 370 000	1919
1920	---	1 370B ON MAY 09	22.4B ON DEC 21	7 980 000	1920
1921	---	875 ON MAY 23	---	---	1921
1922	---	824 ON AUG 17	---	---	1922
				8 130 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING - STATION NO. 05DA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	59.6	---	---	---	---	1950
1951	---	---	---	---	---	72.4	144	100	36.0	15.3	---	---	---	1951
1952	---	---	---	---	---	86.6	121	120	---	---	---	---	---	1952
1953	---	---	---	---	---	74.0	118	98.5	51.9	17.5	---	---	---	1953
1954	---	---	---	---	---	---	---	104	54.2	14.1	---	---	---	1954
1955	---	---	---	---	---	98.2	160	108	60.7	9.58	---	---	---	1955
1956	---	---	---	---	53.7	104	152	118	48.2	16.7	---	---	---	1956
1957	---	---	---	---	---	96.2	92.5	67.7	51.1	---	---	---	---	1957
1958	---	---	---	---	62.0	130	145	143	52.2	17.8	---	---	---	1958
1959	---	---	---	---	28.1	92.1	129	71.6	39.2	14.2	---	---	---	1959
1960	---	---	---	---	16.9	71.7	157	102	42.1	14.9	---	---	---	1960
1961	---	---	---	---	51.4	152	131	127	35.8	21.4	---	---	---	1961
1962	---	---	---	---	24.1	77.7	110	100	40.3	15.8	---	---	---	1962
1963	---	---	---	---	---	95.2	120	113	84.7	25.4	---	---	---	1963
1964	---	---	---	---	17.7	94.9	146	89.6	42.6	19.9	---	---	---	1964
1965	---	---	---	---	25.9	93.5	150	143	24.3	14.7	---	---	---	1965
1966	---	---	---	---	31.6	76.7	130	111	68.4	24.0	8.42	6.28	---	1966
1967	4.08	3.73	4.63	6.47	25.2	136	142	130	89.0	20.8	9.22	8.44	48.5	1967
1968	6.38	4.04	2.68	3.07	32.2	97.0	137	95.7	57.3	14.8	8.30	5.68	38.8	1968
1969	2.86	2.66	1.85	6.00	46.8	131	105	99.8	44.1	13.6	7.89	5.75	39.2	1969
1970	2.60	2.70	2.92	3.15	18.4	118	152	126	---	---	---	---	---	1970
MEAN	3.97	3.28	3.02	4.67	33.4	99.9	134	108	51.7	17.1	8.46	6.54	42.2	MEAN

LOCATION - LAT 51 58 00 N LONG 116 43 30 W DRAINAGE AREA, 1 290 km² NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING - STATION NO. 05DA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	183 AT 03:00 MST ON JUL 14	179 ON JUN 15	---	---	1951
1952	200 AT 04:30 MST ON AUG 14	179 ON AUG 14	---	---	1952
1953	314 AT 01:00 MST ON JUL 15 *	283 ON JUL 15 *	---	---	1953
1954	187 AT 02:00 MST ON JUL 20	176 ON JUL 20	---	---	1954
1955	276 AT 23:00 MST ON JUL 18	271 ON JUL 18	---	---	1955
1956	223 AT 01:00 MST ON JUL 22	217 ON JUL 22	---	---	1956
1957	170 AT 08:00 MST ON JUN 08	163 ON JUN 08	---	---	1957
1958	206 AT 23:00 MST ON JUL 22	202 ON JUL 22	---	---	1958
1959	208 AT 03:00 MST ON JUL 25	201 ON JUL 24	---	---	1959
1960	212 AT 01:00 MST ON JUL 20	200 ON JUL 19	---	---	1960
1961	210 AT 02:00 MST ON JUN 20	204 ON JUN 07	---	---	1961
1962	189 AT 13:00 MST ON JUN 26	183 ON JUN 26	---	---	1962
1963	204 AT 23:30 MST ON AUG 13	197 ON JUL 08	---	---	1963
1964	229 AT 02:00 MST ON JUL 14	218 ON JUL 14	---	---	1964
1965	224 AT 03:00 MST ON JUL 09	220 ON JUL 08	---	---	1965
1966	186 AT 03:30 MST ON AUG 05	182 ON AUG 05	---	---	1966
1967	213 AT 08:00 MST ON JUL 05	204 ON JUL 05	3.68B ON FEB 17	1 530 000	1967
1968	238 AT 10:00 MST ON JUN 27	231 ON JUN 27	2.12B ON APR 05	1 230 000	1968
1969	185 AT 11:00 MST ON JUN 17	171 ON JUN 17	1.70B ON MAR 14 *	1 230 000	1969
1970	---	191 ON JUL 09	---	---	1970
				1 330 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	365	124	53.0	30.2	24.6	---	1915
1916	12.8	12.9	13.0	22.4	58.7	312	347	237	148	59.7	25.5	13.0	105	1916
1917	13.3	11.8	11.3	14.6	107	176	326	247	123	82.6	29.0	15.6	97.2	1917
1918	13.3	13.7	12.7	25.6	74.0	340	298	249	154	64.4	23.9	14.5	107	1918
1919	13.4	10.9	11.3	16.6	61.1	184	224	275	115	36.7	14.9	12.7	81.8	1919
1920	14.7	11.2	9.46	15.9	64.5	144	430	273	107	42.8	26.3	16.9	97.0	1920
1921	11.7	8.90	8.82	15.2	90.8	246	244	216	62.3	38.2	---	---	---	1921
1922	---	---	---	---	---	199	292	274	122	52.1	25.2	---	---	1922
1923	---	---	---	19.2	65.2	---	---	---	---	---	---	---	---	1923
1952	---	---	---	---	---	---	275	227	97.3	---	---	---	---	1952
1953	---	---	---	---	---	---	285	214	116	46.4	---	17.0	---	1953
1954	15.5	14.5	11.9	14.1	86.7	261	316	258	170	60.8	35.8	26.7	104	1954
1955	19.9	16.1	15.1	25.0	51.0	230	300	174	109	36.6	---	---	---	1955
1956	---	---	---	---	116	249	269	206	93.1	44.1	---	---	---	1956
1957	---	---	---	---	184	203	183	152	104	54.5	---	---	---	1957
1958	---	---	---	22.3	157	293	293	239	109	46.5	---	---	---	1958
1959	---	---	---	23.5	73.6	292	304	162	100	48.4	---	---	---	1959
1960	---	---	---	---	53.2	173	326	201	90.2	45.0	---	---	---	1960
1961	---	---	---	---	119	326	241	247	89.6	59.7	---	---	---	1961
1962	---	---	---	---	72.9	197	249	209	109	46.3	---	---	---	1962
1963	---	---	---	---	96.1	235	270	224	152	62.4	---	---	---	1963
1964	---	---	---	---	52.3	295	318	---	---	---	---	---	---	1964
1965	---	---	---	---	59.1	317	395	292	100	63.0	---	---	---	1965
1966	---	---	---	---	110	195	331	253	134	64.5	---	---	---	1966
1967	---	---	---	---	66.9	328	291	229	150	54.6	---	---	---	1967
1968	---	---	---	---	60.4	231	317	206	121	49.1	---	---	---	1968
1969	---	---	---	---	111	274	247	204	94.7	43.9	---	---	---	1969
1970	---	---	---	---	59.4	256	248	193	75.0	34.9	---	---	---	1970
1971	---	---	---	---	101	257	235	258	97.9	40.0	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	95.3	89.7	77.8	53.0	96.0	86.3	---	---	---	1973
1974	---	---	---	---	106	118	69.5	67.8	108	101	---	---	---	1974
1975	---	---	---	---	77.0	82.2	87.5	49.8	55.6	71.3	---	---	---	1975
1976	---	---	---	---	77.4	85.6	85.8	87.6	104	95.9	---	---	---	1976
1977	---	---	---	---	72.5	82.9	77.5	73.0	77.4	76.5	---	---	---	1977
1978	---	---	---	---	78.9	130	126	64.1	71.2	86.9	---	---	---	1978
MEAN	14.3	12.5	11.7	19.5	85.9	220	254	202	108	57.7	26.4	17.6	98.7	MEAN

LOCATION - LAT 52 27 10 N DRAINAGE AREA, 5 160 km²
LONG 115 45 20 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	1 240 ON JUN 27 *	---	---	---	1915
1916	---	694 ON JUN 20	9.34B ON JAN 23	3 340 000	1916
1917	---	464 ON JUL 17	10.5 B ON FEB 18	3 070 000	1917
1918	---	776 ON JUN 15 *	11.0 B ON FEB 20	3 390 000	1918
1919	---	442 ON JUN 23	9.20B ON MAR 01	2 580 000	1919
1920	---	521 ON JUL 03			1920
1921	---	408 ON JUN 26	8.35B ON MAR 14 *	3 070 000	1921
1922	---	439 ON JUL 07	---	---	1922
1923	---	---	---	---	1923
1952	770 AT 08:00 MST ON JUN 23	663 ON JUN 23	---	---	1952
1953	609 AT 12:00 MST ON JUL 15	580 ON JUL 15	---	---	1953
1954	476 AT 14:00 MST ON AUG 25	430E ON JUL 09	8.70B ON APR 02	3 270 000	1954
1955	518 AT 11:00 MST ON JUL 19	507 ON JUL 19	---	---	1955
1956	419 AT 21:00 MST ON JUN 05	394 ON JUN 05	---	---	1956
1957	345 AT 18:00 MST ON JUN 08	328 ON JUN 08	---	---	1957
1958	541 AT 21:00 MST ON JUN 28	481 ON JUN 29	---	---	1958
1959	493 ON JUN 27	476 ON JUN 27	---	---	1959
1960	464 AT 21:00 MST ON JUL 01	416 ON JUL 02	---	---	1960
1961	487 AT 03:00 MST ON JUN 08	459 ON JUN 07	---	---	1961
1962	419 AT 03:00 MST ON JUN 27	385 ON JUN 27	---	---	1962
1963	416 AT 19:00 MST ON JUL 08	408 ON JUL 09	---	---	1963
1964	507 AT 08:00 MST ON JUL 10	490 ON JUL 10	---	---	1964
1965	---	---	---	---	1965
1966	595 AT 05:00 MST ON JUL 04	600 ON JUL 08	---	---	1966
1967	451 AT 10:00 MST ON JUN 18	549 ON JUL 04	---	---	1967
1968	524 AT 07:44 MST ON JUL 12	447 ON JUN 18	---	---	1968
1969	396 AT 09:04 MST ON JUN 06	507 ON JUL 12	---	---	1969
1970	493 AT 15:45 MST ON JUN 16	382 ON JUN 06	---	---	1970
1971	442 AT 17:00 MST ON JUN 06	428 ON JUN 16	---	---	1971
1972	778A AT 13:00 MST ON JUN 25	430 ON JUN 06	---	---	1972
1973	188 AT 03:00 MST ON JUL 05	580A ON JUN 26	---	---	1973
1974	207 AT 09:40 MST ON JUN 26	164 ON MAY 18	---	---	1974
1975	152 AT 02:30 MST ON JUL 18	194 ON JUN 22	---	---	1975
1976	160 AT 04:00 MST ON SEP 08	111 ON JUL 14	---	---	1976
1977	169 AT 00:00 MST ON JUN 23	142 ON JUL 22	---	---	1977
1978	226 AT 19:40 MST ON JUL 11	166 ON JUN 23 185 ON JUL 06	---	---	1978
				3 120 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	149	181	151	50.8	17.9	7.63	5.47	---	1970
1971	4.94	4.59	3.84	6.70	57.6	124	137	204	68.7	23.3	9.78	5.53	54.6	1971
1972	5.52	4.07	5.01	5.36	52.6	198	150	175	59.8	24.1	12.2	7.57	58.3	1972
1973	5.95	5.05	5.19	6.60	45.8	117	139	134	61.3	20.8	10.8	7.13	46.9	1973
1974	5.25	5.49	4.71	9.94	27.6	159	168	150	75.7	26.9	10.4	8.19	54.5	1974
1975	6.03	4.64	4.93	5.79	21.1	90.3	202	108	50.8	22.1	12.6	8.14	45.0	1975
1976	5.92	5.14	4.54	7.40	---	80.1	179	177	95.0	29.4	9.40	7.22	---	1976
1977	5.90	5.62	5.32	9.51	31.4	116	110	146	45.9	14.5	8.77	6.52	42.3	1977
1978	4.98	4.85	4.65	7.65	28.6	138	210	138	97.9	27.4	12.6	8.02	57.2	1978
1979	5.39	4.92	5.89	6.06	30.0	119	178	167	87.1	32.9	9.24	6.32	54.7	1979
1980	5.29	4.57	4.80	17.4	86.8	148	151	101	51.0	32.2	11.8	10.9	52.2	1980
1981	6.96	4.97	5.86	7.52	73.4	87.7	214	205	87.5	20.4	12.5	7.77	61.7	1981
1982	5.03	4.98	4.38	5.95	23.3	165	182	114	98.2	26.8	11.0	7.76	54.2	1982
1983	5.72	5.16	4.63	6.72	39.1	112	149	160	58.1	21.5	16.5	7.82	49.3	1983
1984	5.17	5.19	4.88	7.87	15.4	125	158	174	60.0	29.3	7.40	6.25	50.0	1984
1985	5.04	4.73	5.70	6.71	55.4	94.4	185	121	47.4	17.7	9.95	6.18	47.0	1985
1986	4.92	4.10	5.36	8.00	60.5	192	128	141	57.7	22.4	12.0	6.73	53.9	1986
1987	5.54	5.57	5.75	8.53	65.9	150	166	111	78.3	24.2	10.1	5.14	53.5	1987
1988	5.72	4.92	4.05	14.0	49.9	158	142	144	74.8	35.9	13.3	8.17	54.4	1988
1989	6.29	5.23	5.12	8.20	34.4	140	169	166	52.4	23.9	10.2	8.30	52.8	1989
1990	6.15	5.53	5.35	9.93	39.9	137	201	183	74.9	23.5	13.8	8.04	59.5	1990
MEAN	5.38	4.92	5.00	8.29	44.1	133	167	151	68.3	24.6	11.0	7.29	52.7	MEAN

LOCATION - LAT 52 00 06 N LONG 116 28 10 W DRAINAGE AREA, 1 920 km² NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	236 AT 05:40 MST ON JUL 09	221 ON JUL 09	---	---	1970
1971	286 AT 03:30 MST ON AUG 09	268 ON AUG 09	3.62B ON MAR 04	1 720 000	1971
1972	377 AT 16:20 MST ON JUN 11 *	365 ON JUN 11 *	3.88B ON JAN 25	1 840 000	1972
1973	303 AT 22:20 MST ON JUN 24	280 ON JUN 24	4.87B ON FEB 09	1 480 000	1973
1974	337 AT 11:35 MST ON JUN 24	331 ON JUN 24	4.47B ON MAR 26	1 720 000	1974
1975	303 AT 06:30 MST ON JUL 14	292 ON JUL 14	4.50B ON FEB 17	1 420 000	1975
1976	250 AT 07:40 MST ON AUG 04	241 ON AUG 05	---	---	1976
1977	213 AT 04:30 MST ON JUN 09	193 ON JUL 29	5.10B ON FEB 28	1 330 000	1977
1978	274 AT 02:00 MST ON JUL 28	253 ON JUL 27	4.45B ON JAN 31	1 800 000	1978
1979	278 AT 05:00 MST ON JUL 22	262 ON JUL 21	4.40B ON NOV 30	1 720 000	1979
1980	286 AT 10:24 MST ON JUN 17	277R ON JUN 17	4.27B ON JAN 29	1 650 000	1980
1981	293 AT 13:25 MST ON JUL 29	286 ON JUL 29	4.00B ON FEB 13	1 950 000	1981
1982	---	304E ON JUL 22	4.22B ON MAR 08	1 710 000	1982
1983	268 AT 05:35 MST ON JUL 13	249 ON JUL 13	3.91 ON APR 12	1 550 000	1983
1984	333 AT 08:05 MST ON JUN 30	303 ON JUN 30	4.50B ON JAN 21	1 580 000	1984
1985	252 AT 05:15 MST ON JUL 11	231 ON JUL 11	4.40B ON JAN 29	1 480 000	1985
1986	319 AT 11:35 MST ON JUN 02	310 ON JUN 02	2.80B ON FEB 18	1 700 000	1986
1987	246 AT 04:45 MST ON JUL 31	236 ON JUL 31	3.70B ON DEC 16	1 690 000	1987
1988	297 AT 08:40 MST ON JUN 08	286 ON JUN 08	2.65B ON JAN 04 *	1 720 000	1988
1989	265 AT 11:10 MST ON AUG 02	256 ON AUG 02	4.34B ON MAR 18	1 670 000	1989
1990	285 AT 04:38 MST ON JUL 14	275 ON JUL 13	4.70B ON APR 11	1 880 000	1990
				1 660 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO. 05DA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	8.06	6.55	7.40	11.8	26.2	199	223	163	101	38.0	15.2	9.63	67.6	1916
1917	9.68	5.79	5.30	5.47	18.7	108	236	182	100	---	---	---	---	1917
MEAN	8.87	6.17	6.35	8.64	22.5	154	231	173	101	38.0	15.2	9.63	67.6	MEAN

LOCATION - LAT 52 05 36 N LONG 116 25 10 W DRAINAGE AREA, 2 560 km² NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO. 05DA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	501 ON JUN 19 *	5.89B ON FEB 13 *	2 140 000	1916
1917	---	317 ON JUL 17	---	---	1917
				2 140 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.161	0.217	---	55.6	---	1972
1973	54.4	47.7	43.5	37.1	71.4	68.4	63.2	44.7	87.0	77.9	40.2	35.9	57.8	1973
1974	81.8	87.7	60.9	71.0	77.0	87.0	49.9	58.5	97.8	91.5	73.4	77.9	76.0	1974
1975	76.5	89.1	88.8	77.9	73.5	72.5	74.8	38.8	48.4	65.5	67.4	62.6	69.5	1975
1976	62.4	83.9	73.4	66.3	66.5	71.7	71.9	71.8	97.7	94.1	105	88.2	79.2	1976
1977	80.0	67.4	70.3	59.2	47.9	62.5	61.4	57.9	61.4	62.4	81.0	68.5	65.0	1977
1978	83.9	81.4	77.3	63.2	61.8	95.7	90.2	48.7	53.0	80.1	93.7	85.6	76.9	1978
1979	71.1	104	100	83.6	47.7	88.3	77.7	72.7	63.1	66.5	67.8	53.2	74.4	1979
1980	80.2	83.6	86.9	73.0	75.9	132	98.6	67.5	72.0	56.2	59.1	53.4	78.1	1980
1981	72.2	29.8	41.6	72.1	146	87.8	36.0	130	111	87.3	94.3	98.3	84.4	1981
1982	59.5	56.3	80.1	81.9	65.6	94.9	111	41.4	71.3	65.7	65.9	71.2	72.3	1982
1983	73.7	52.6	79.9	110	107	72.7	76.9	58.7	58.9	72.9	75.3	74.5	71.3	1983
1984	67.2	59.0	73.9	95.2	52.3	39.9	62.7	89.2	61.0	73.6	91.7	74.3	70.0	1984
1985	66.4	83.1	80.0	84.1	90.0	83.5	65.5	61.1	29.6	41.8	87.5	47.9	68.2	1985
1986	35.0	55.0	76.4	121	98.5	135	122	56.0	44.5	40.4	90.7	94.5	84.2	1986
1987	72.3	72.0	69.3	74.9	94.0	105	100	26.4	56.8	59.2	57.7	69.3	71.4	1987
1988	51.5	47.9	52.5	71.2	74.4	101	84.9	47.2	87.7	82.0	90.7	94.4	73.8	1988
1989	45.6	50.4	63.1	81.0	124	94.0	80.0	116	64.2	64.6	74.6	71.9	77.7	1989
1990	59.5	43.5	64.7	77.7	139	127	153	116	89.1	63.4	54.4	50.6	86.9	1990
MEAN	66.3	66.5	71.3	77.8	84.0	91.1	79.5	68.6	67.6	65.5	75.0	69.8	74.3	MEAN

LOCATION - LAT 52 18 36 N LONG 116 19 21 W
DRAINAGE AREA, 3 890 km²
REGULATED SINCE 1972
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	168 AT 15:00 MST ON JUL 03	118 ON JUL 05	0.224 ON JUN 10 *	1 820 000	1973
1974	168 AT 18:45 MST ON JAN 26	161 ON JUL 04	26.3 ON JUL 14	2 400 000	1974
1975	---	132 ON JAN 07	27.7 ON AUG 05	2 190 000	1975
1976	---	131 ON SEP 13	35.7 ON JUL 10	2 500 000	1976
1977	174 AT 08:40 MST ON JAN 07 *	149 ON JUN 23	16.1 ON MAY 25	2 050 000	1977
1978	169 AT 23:00 MST ON JAN 30	163 ON JUL 06	23.2 ON JUN 14	2 420 000	1978
1979	---	130 ON APR 21	7.65 ON MAY 31	2 350 000	1979
1980	---	171 ON JUN 28	11.0 ON NOV 04	2 470 000	1980
1981	159 AT 14:30 MDT ON JUL 23	135 ON MAY 02	0.329 ON MAR 10	2 660 000	1981
1982	167 AT 12:45 MST ON JUL 17	165 ON JUN 26	14.3 ON AUG 17	2 280 000	1982
1983	173 AT 11:00 MST ON AUG 02	162 ON APR 25	0.811 ON JUN 26	2 250 000	1983
1984	---	145 ON AUG 18	0.855 ON MAY 21	2 210 000	1984
1985	---	149 ON MAY 28	1.22 ON SEP 15	2 150 000	1985
1986	---	167 ON JUL 14	0.878 ON AUG 05	2 660 000	1986
1987	---	140 ON JUN 17	0.283 ON JUN 03	2 250 000	1987
1988	173 AT 15:00 MST ON JUN 24	162 ON JUN 10	0.283 ON MAY 19	2 130 000	1988
1989	---	160 ON JUN 17	0.255 ON JUN 02	2 450 000	1989
1990	---	180 ON JUL 17 *	23.1 ON JAN 02	2 740 000	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 340 000	MEAN

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	---	---	15.3	---	1953
1954	12.1	11.6	11.1	11.7	63.0	189	300	217	128	44.7	27.1	21.8	157	1954
1955	17.7	13.7	12.5	15.1	34.5	199	269	160	99.7	30.9	---	---	132	1955
1956	---	---	---	17.8	107	233	260	197	88.1	37.5	---	---	154	1956
1959	---	---	---	---	57.5	220	263	143	88.3	38.1	---	---	135	1959
1960	---	---	---	---	34.8	146	285	172	80.6	38.0	---	---	126	1960
1961	---	---	---	---	107	307	230	225	82.9	53.4	---	---	167	1961
1962	---	---	---	---	57.7	187	230	192	92.8	39.6	---	---	133	1962
1963	---	---	---	17.3	68.5	223	253	216	152	59.5	---	---	162	1963
1964	---	---	---	---	38.2	251	293	149	94.4	58.8	---	---	147	1964
1965	---	---	---	---	54.2	241	336	270	74.8	47.1	---	---	171	1965
1966	---	---	---	---	101	180	285	221	128	56.1	---	---	162	1966
1967	---	---	---	---	54.6	201	276	144	159	55.9	---	---	178	1967
1968	---	---	---	13.0	62.2	212	283	175	106	38.9	---	---	146	1968
MEAN	14.9	12.7	11.8	15.0	64.6	222	274	197	106	46.0	27.1	18.5	152	MEAN

LOCATION - LAT 52 18 00 N LONG 116 19 00 W
DRAINAGE AREA, 3 890 km²
NATURAL FLOW
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	425 AT 08:30 MST ON JUL 08	416 ON JUL 08	11.3B ON MAY 01 *	2 490 000	1954
1955	481 AT 15:00 MST ON JUL 18	464 ON JUL 18	12.5 ON MAY 01	2 100 000	1955
1956	402 AT 14:00 MST ON JUN 05	388 ON JUN 05	16.8 ON MAY 03	2 440 000	1956
1959	408 AT 10:00 MST ON JUL 25	394 ON JUL 25	15.3 ON MAY 01	2 140 000	1959
1960	379 AT 10:00 MST ON JUL 08	365 ON JUL 08	16.3 ON MAY 01	2 010 000	1960
1961	467 AT 20:00 MST ON JUN 07	456 ON JUN 07	13.2 ON MAY 01	2 660 000	1961
1962	425 AT 20:00 MST ON JUN 26	396 ON JUN 26	16.2 ON MAY 08	2 120 000	1962
1963	493 AT 01:00 MST ON JUN 20	416 ON JUL 08	22.9 ON MAY 09	2 570 000	1963
1964	479 AT 03:00 MST ON JUL 10	447 ON JUL 09	16.7 ON MAY 01	2 340 000	1964
1965	566 AT 02:00 MST ON JUL 09 *	538 ON JUL 08 *	20.8 ON MAY 07	2 710 000	1965
1966	408 AT 02:00 MST ON JUL 04	379 ON JUL 04	14.4 ON MAY 01	2 570 000	1966
1967	428 AT 04:00 MST ON JUN 28	408 ON JUN 17	13.8 ON MAY 01	2 830 000	1967
1968	481 AT 18:30 MST ON JUN 27	464 ON JUN 27	19.6 ON MAY 03	2 320 000	1968
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 410 000	MEAN

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	468	705	451	216	108	---	---	---	1969
1970	---	---	---	---	---	544	461	272	124	67.2	---	---	---	1970
1971	---	---	---	---	204	613	474	386	143	74.1	---	---	---	1971
1972	---	---	---	---	206	874	593	250	141	150	---	---	---	1972
1973	---	---	---	---	361	300	243	185	140	153	---	---	---	1973
1974	---	---	---	---	358	397	273	188	205	185	---	---	---	1974
1975	---	---	---	---	261	188	179	128	109	91.4	---	---	---	1975
1976	---	---	---	---	182	203	169	139	118	151	---	---	---	1976
1977	---	---	---	---	294	336	225	259	228	166	---	---	---	1977
MEAN	---	---	---	---	258	436	369	262	169	127	---	---	---	MEAN

LOCATION - LAT 53 03 06 N DRAINAGE AREA, 20 500 km^2
LONG 115 12 33 W REGULATED SINCE 1960

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	1 930 AT 15:00 MST ON JUL 06	1 720 ON JUL 06	---	---	1969
1970	1 720 AT 14:58 MST ON JUN 17	1 570 ON JUN 17	---	---	1970
1971	1 250 AT 20:00 MST ON JUN 09	1 150 ON JUN 10	---	---	1971
1972	3 570 AT 16:00 MST ON JUN 26 *	3 200 ON JUN 26 *	---	---	1972
1973	612 AT 14:30 MST ON MAY 26	515 ON MAY 28	---	---	1973
1974	1 040 AT 09:40 MST ON JUN 18	765 ON JUN 18	---	---	1974
1975	368 AT 20:00 MST ON JUN 09	---	---	---	1975
1976	484 AT 19:20 MST ON AUG 18	379 ON AUG 18	---	---	1976
1977	787 AT 13:50 MST ON MAY 30	714 ON MAY 30	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	348	381	384	210	87.7	53.6	46.1	---	1913
1914	24.0	20.6	24.4	31.6	116	306	366	253	135	90.3	49.6	24.1	211	1914
1915	23.6	21.3	19.3	41.2	168	649	639	475	197	104	56.5	30.7	371	1915
1916	29.8	22.9	17.3	59.1	145	468	459	356	251	136	86.7	44.7	299	1916
1917	36.1	28.9	22.9	63.6	280	351	399	278	167	112	55.2	27.5	295	1917
1918	25.0	23.9	22.0	62.6	108	386	324	271	171	88.5	40.8	23.0	224	1918
1919	27.2	20.0	21.4	39.2	118	202	275	312	168	68.3	44.1	20.2	191	1919
1920	29.5	23.2	19.8	33.1	226	252	529	325	143	70.0	40.7	32.0	258	1920
1921	28.1	20.8	24.9	44.3	182	305	342	449	79.1	56.9	37.3	21.5	196	1921
1922	20.6	18.1	18.5	22.6	134	333	317	367	180	87.8	49.3	23.9	238	1922
1923	21.1	17.1	18.9	43.6	111	662	467	382	216	93.5	57.7	30.8	321	1923
1924	24.2	22.0	24.0	54.5	215	290	380	342	181	73.4	45.8	23.9	247	1924
1925	19.0	18.9	19.2	94.4	166	346	360	457	287	147	64.4	42.7	294	1925
1926	30.7	34.3	39.1	95.7	110	221	372	278	440	153	82.3	39.2	262	1926
1927	27.6	25.3	27.0	73.5	109	405	473	359	196	102	45.7	39.5	274	1927
1928	34.5	29.4	42.6	67.5	163	607	520	275	152	61.1	30.4	20.6	296	1928
1929	20.1	19.7	25.0	35.1	137	333	221	252	136	59.6	28.4	20.5	189	1929
1930	19.5	22.9	24.7	65.6	128	363	364	298	163	76.2	42.5	36.9	232	1930
1931	23.8	21.8	21.0	38.7	136	337	410	---	---	---	---	---	---	1931
1944	---	---	21.1	51.3	170	470	380	391	223	119	---	---	292	1944
1945	---	---	22.4	42.8	172	290	319	281	175	126	---	---	227	1945
1946	---	---	26.9	58.5	168	399	329	234	155	63.6	---	---	224	1946
1947	---	---	25.2	80.7	176	379	403	236	163	104	---	---	243	1947
1948	---	---	25.6	54.0	414	506	318	331	140	74.5	---	---	301	1948
1949	---	---	23.3	46.3	116	172	236	207	110	52.9	---	---	149	1949
1950	---	---	19.5	58.9	80.8	405	403	233	140	55.4	---	---	219	1950
1951	---	---	17.4	60.0	213	303	452	241	181	101	---	---	248	1951
1952	---	---	37.4	128	127	480	417	330	149	81.4	---	---	263	1952
1953	---	---	20.5	47.2	168	467	421	295	164	73.1	52.2	27.0	264	1953
1954	20.0	29.0	25.9	50.6	210	446	430	411	341	117	70.8	58.2	325	1954
1955	29.7	32.4	27.7	82.6	138	352	386	213	138	59.1	33.2	24.1	214	1955
1956	22.6	19.3	21.8	47.1	147	293	327	253	127	61.1	37.8	27.8	201	1956
1957	20.6	17.4	19.6	52.6	249	272	230	208	153	87.2	47.0	33.0	200	1957
1958	35.3	30.3	29.9	88.1	245	404	416	291	155	72.1	34.8	32.9	265	1958
1959	30.5	26.1	25.5	43.5	113	402	393	213	134	75.2	55.3	36.9	221	1959
1960	24.6	26.3	33.2	45.0	109	257	408	251	116	65.9	35.5	25.2	201	1960
1961	24.7	21.9	28.1	30.2	172	383	292	302	122	82.5	37.4	34.0	225	1961
1962	25.1	24.1	19.4	43.9	122	261	330	203	151	70.6	45.8	28.0	203	1962
1963	22.5	22.4	31.7	88.1	130	348	421	308	187	89.5	37.7	29.5	249	1963
1964	29.1	25.3	21.5	36.9	171	470	415	209	160	112	57.6	24.6	255	1964
1965	24.8	25.7	20.3	66.4	132	590	601	396	236	139	76.1	52.3	348	1965
1966	42.9	33.3	32.1	42.1	166	271	447	340	192	106	56.5	42.0	254	1966
1967	35.1	25.9	27.1	57.0	129	463	363	279	185	75.8	36.5	26.5	248	1967
1968	26.7	27.4	34.0	34.3	110	296	393	265	162	81.3	45.5	34.0	218	1968
1969	32.5	25.4	26.7	69.5	201	372	399	278	137	76.9	51.0	35.7	244	1969
1970	26.6	27.6	24.5	37.4	118	414	323	223	100	55.2	25.2	23.1	205	1970
1971	17.0	20.7	19.5	62.4	159	368	265	279	119	57.6	38.6	16.3	207	1971
1972	21.1	19.3	18.4	29.2	133	558	356	132	66.3	48.5	31.4	54.5	215	1972
1973	---	---	---	---	192	188	152	97.2	133	108	---	---	145	1973
1974	---	---	---	---	208	246	152	110	138	126	---	---	163	1974
1975	---	---	---	---	118	126	132	77.3	71.2	79.8	---	---	101	1975
1976	---	---	---	---	107	119	130	144	133	116	---	---	125	1976
1977	---	---	---	---	145	152	118	121	114	96.8	---	---	125	1977
1978	---	---	---	---	137	251	214	130	138	126	---	---	166	1978
1979	---	---	---	---	118	162	133	118	93.7	88.0	---	---	119	1979
1980	---	---	---	---	141	328	191	131	124	90.1	---	---	167	1980
1981	---	---	---	---	260	170	278	288	174	126	---	---	216	1981
1982	---	---	---	---	121	209	266	91.4	119	110	---	---	153	1982
1983	---	---	---	139	171	152	122	98.2	88.4	97.1	92.7	---	121	1983
1984	---	---	---	122	85.0	139	122	124	69.7	---	---	---	---	1984
1985	---	---	---	---	150	162	119	132	146	114	---	---	137	1985
1986	---	---	---	163	219	273	333	140	151	130	---	---	208	1986
1987	---	---	---	101	126	149	178	107	102	90.6	---	---	125	1987
1988	---	---	---	---	95.9	146	130	140	135	120	---	---	128	1988
1989	---	---	---	---	179	159	154	218	170	111	---	---	165	1989
1990	---	---	---	120	261	391	297	194	136	96.7	---	---	229	1990
MEAN	26.3	24.1	25.0	62.5	159	330	329	251	158	91.9	48.9	32.8	220	MEAN

LOCATION - LAT 52 22 51 N DRAINAGE AREA, 11 000 km²
LONG 114 56 21 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	646 ON AUG 13	---	---	1913
1914	---	510 ON JUN 07	53.5 ON MAY 01	3 350 000	1914
1915	4 110E ON JUN 27 *	3 680E ON JUN 27 *	58.0 ON MAY 01	5 910 000	1915
1916	---	1 060 ON JUN 20	68.0 ON MAY 01	4 750 000	1916
1917	---	561 ON JUN 03	64.3B ON OCT 31	4 210 000	1917
1918	---	753 ON JUN 15	51.0 ON OCT 31	3 560 000	1918
1919	---	447 ON JUN 23	49.0 ON MAY 03	3 030 000	1919
1920	---	614 ON JUL 03	49.3B ON MAY 04	4 100 000	1920
1921	---	479 ON JUN 26	47.6 ON OCT 29	3 110 000	1921
1922	---	564 ON AUG 17	50.6B ON MAY 04	3 790 000	1922
1923	1 270 ON JUN 14	1 280 ON JUN 14	48.4B ON MAY 05	5 100 000	1923
1924	---	674 ON JUL 04	63.7 ON OCT 24	3 930 000	1924
1925	---	1 030 ON AUG 17	55.8 ON MAY 01	4 670 000	1925
1926	---	878 ON SEP 02	88.3 ON MAY 12	4 160 000	1926
1927	---	784 ON JUN 27	60.0 ON MAY 05	4 350 000	1927
1928	---	900 ON JUN 23	48.1B ON OCT 30	4 700 000	1928
1929	---	850 ON JUN 03	52.4 ON OCT 25	3 010 000	1929
1930	---	575 ON JUL 16	47.9 ON OCT 31	3 680 000	1930
1931	---	---	---	---	1931
1944	971 ON JUN 15	937 ON JUN 15	42.8 ON MAY 04	4 640 000	1944
1945	---	447 ON MAY 31	27.9 ON MAY 01 *	3 610 000	1945
1946	---	719 ON MAY 29	43.6 ON OCT 31	3 560 000	1946
1947	---	660 ON JUN 11	65.4 ON OCT 31	3 870 000	1947
1948	---	1 170 ON MAY 24	55.5 ON OCT 31	4 780 000	1948
1949	---	408 ON JUL 17	36.2 ON MAY 07	2 370 000	1949
1950	---	1 030 ON JUN 15	34.3 ON MAY 06	3 480 000	1950
1951	---	600 ON JUN 16	70.5 ON OCT 26	3 950 000	1951
1952	1 990 AT 22:00 MST ON JUN 23	1 600 ON JUN 24	41.9A ON MAY 09	4 190 000	1952
1953	742 AT 23:00 MST ON JUL 15	711 ON JUN 14	61.2 ON OCT 29	4 200 000	1953
1954	1 260 AT 20:00 MST ON AUG 25	1 060 ON AUG 26	68.8B ON MAY 11	5 170 000	1954
1955	586 AT 20:00 MST ON JUL 19	583 ON JUL 19	47.9B ON OCT 31	3 400 000	1955
1956	464 AT 05:00 MST ON JUN 06	439 ON JUN 06	40.2A ON MAY 04	3 200 000	1956
1957	422 AT 12:00 MST ON JUN 09	419 ON JUN 09	51.3B ON OCT 24	3 170 000	1957
1958	---	714 ON JUN 29	52.1 ON OCT 31	4 220 000	1958
1959	779 AT 12:00 MST ON JUN 27	719 ON JUN 27	48.1 ON MAY 06	3 520 000	1959
1960	609 AT 01:00 MST ON JUL 02	558 ON JUL 02	45.0 ON MAY 01	3 200 000	1960
1961	566 AT 08:30 MST ON JUN 08	541 ON JUN 08	31.1 ON MAY 01	3 580 000	1961
1962	504 AT 03:00 MST ON AUG 06	473 ON AUG 06	44.2 ON MAY 09	3 230 000	1962
1963	680 AT 04:00 MST ON JUL 16	648 ON JUL 16	52.7B ON OCT 31	3 960 000	1963
1964	790 AT 06:00 MST ON JUN 19	776 ON JUN 19	58.9 ON MAY 01	4 060 000	1964
1965	1 460 AT 19:30 MST ON JUN 18	1 050 ON JUN 19	60.0 ON MAY 08	5 540 000	1965
1966	835 AT 08:00 MST ON JUL 04	731 ON JUL 04	46.2 ON MAY 01	4 040 000	1966
1967	626 AT 12:00 MST ON JUN 18	617 ON JUN 18	45.3B ON MAY 02	3 950 000	1967
1968	558 AT 05:50 MST ON JUN 28	547 ON JUL 11	53.2 ON MAY 08	3 460 000	1968
1969	963 AT 10:08 MST ON JUL 06	906 ON JUL 06	55.2B ON OCT 30	3 880 000	1969
1970	1 290 AT 11:50 MST ON JUN 17	1 120 ON JUN 17	36.8B ON OCT 28	3 260 000	1970
1971	---	736A ON JUN 06	37.7 ON OCT 29	3 300 000	1971
1972	1 880 AT 22:00 MST ON JUN 25	1 470 ON JUN 26	34.8 ON OCT 30	3 410 000	1972
1973	348 AT 13:00 MST ON MAY 28	311 ON MAY 18	66.8 ON MAY 01	2 300 000	1973
1974	351 AT 18:30 MST ON JUN 26	340 ON JUN 26	85.2 ON AUG 03	2 590 000	1974
1975	191 AT 11:00 MST ON JUL 18	170 ON JUL 14	59.7 ON SEP 16	1 600 000	1975
1976	212 AT 06:30 MST ON AUG 11	199 ON AUG 10	73.3 ON MAY 19	1 990 000	1976
1977	244 AT 08:30 MST ON MAY 30	229 ON MAY 30	75.3 ON MAY 01	1 980 000	1977
1978	323 AT 04:30 MST ON JUL 12	292 ON JUN 17	84.1 ON OCT 06	2 630 000	1978
1979	214 AT 11:00 MST ON MAY 27	202 ON JUN 05	71.9 ON JUN 01	1 890 000	1979
1980	679 AT 09:00 MST ON JUN 05	575 ON JUN 05	77.4 ON OCT 23	2 650 000	1980
1981	633 AT 07:48 MST ON JUL 25	606 ON JUL 25	82.0 ON JUL 13	3 440 000	1981
1982	554 AT 08:36 MST ON JUL 06	548 ON JUL 06	59.0 ON AUG 18	2 430 000	1982
1983	250 AT 02:48 MST ON APR 26	209 ON MAY 06	64.6 ON AUG 09	1 930 000	1983
1984	241 AT 07:36 MST ON OCT 06	205 ON JUL 20	---	---	1984
1985	360 AT 06:31 MST ON SEP 14	337 ON SEP 14	54.3 ON MAY 17	2 180 000	1985
1986	773 AT 11:53 MST ON JUL 18	753 ON JUL 18	95.3 ON OCT 17	3 300 000	1986
1987	246 AT 08:04 MST ON JUL 08	211 ON JUL 09	42.7 ON JUN 04	1 990 000	1987
1988	262 AT 17:17 MST ON JUN 09	248 ON JUN 10	33.2 ON MAY 21	2 030 000	1988
1989	334 AT 11:28 MST ON AUG 17	305 ON AUG 17	58.9 ON JUN 03	2 630 000	1989
1990	594 AT 06:30 MST ON JUN 03	575 ON JUN 03	60.7 ON OCT 03	3 640 000	1990
				3 500 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOSE CREEK AT CALGARY - STATION NO. 05BH003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	----	----	----	----	0.584	0.859	0.248	0.408	0.279	0.210	----	----	----	1911
1912	----	----	----	0.844	1.06	0.494	1.27	0.782	1.56	0.910	----	----	----	1912
1913	----	----	----	----	1.59	1.25	1.09	0.519	0.425	0.307	----	----	----	1913
1914	----	----	----	----	----	0.436	0.219	0.126	0.157	0.293	----	----	----	1914
1915	----	----	----	0.335	0.949	3.95	8.84	9.75	3.88	3.06	----	----	----	1915
1916	----	----	----	2.63	3.55	5.36	6.02	5.18	5.96	3.60	----	----	----	1916
1917	----	----	----	----	5.14	4.56	1.28	0.945	1.01	0.898	----	----	----	1917
1918	----	----	----	1.53	0.550	0.449	0.227	0.164	0.173	0.189	----	----	----	1918
1919	----	----	----	1.03	0.745	0.141	0.082	0.524	0.133	0.139	----	----	----	1919
1972	----	----	----	----	----	----	----	0.075	0.075	0.102	----	----	----	1972
1973	----	----	2.46	0.880	0.277	0.200	0.088	0.034	0.069	0.066	----	----	0.511	1973
1974	----	----	0.223	3.82	2.25	0.310	0.068	0.050	0.085	0.100	----	----	0.857	1974
1975	----	----	0.028	0.728	0.309	0.116	0.021	0.023	0.039	0.042	----	----	0.162	1975
1976	----	----	0.329	0.206	0.048	0.043	0.019	0.061	0.015	0.023	----	----	0.094	1976
1977	----	----	0.101	0.084	0.077	0.032	0.021	0.018	0.072	0.040	----	----	0.056	1977
1978	----	----	2.35	0.560	0.173	0.166	0.038	0.177	0.123	0.043	----	----	0.450	1978
1979	----	----	0.482	0.264	0.189	0.072	0.016	0.021	0.006	0.013	----	----	0.133	1979
1980	----	----	0.454	1.15	0.311	0.412	0.154	0.088	0.063	0.047	----	----	0.334	1980
1981	----	----	0.168	0.076	0.461	0.219	0.284	0.100	0.053	0.054	----	----	0.178	1981
1982	----	----	0.312	1.10	0.275	0.254	0.304	0.039	0.055	0.034	----	----	0.294	1982
1983	----	----	0.094	0.359	0.219	0.084	0.145	0.031	0.014	0.021	----	----	0.121	1983
1984	----	----	0.161	0.166	0.089	0.148	0.017	0.011	0.141	0.044	----	----	0.097	1984
1985	----	----	0.375	0.210	0.103	0.051	0.040	0.074	0.602	0.107	----	----	0.194	1985
1986	----	----	0.265	0.103	0.802	0.178	0.597	0.185	0.840	0.567	----	----	0.443	1986
MEAN	----	----	0.557	0.846	0.898	0.861	0.917	0.808	0.660	0.455	----	----	0.281	MEAN

LOCATION - LAT 51 07 20 N DRAINAGE AREA, 893 km²
LONG 114 02 45 W NATURAL FLOW

NOSE CREEK AT CALGARY - STATION NO. 05BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	----	----	----	----	1911
1912	----	----	----	----	1912
1913	----	----	----	----	1913
1914	----	----	----	----	1914
1915	----	----	----	----	1915
1916	----	----	----	----	1916
1917	----	32.8 ON MAY 31 *	----	----	1917
1918	----	26.8 ON MAY 18	----	----	1918
1919	----	----	----	----	1919
1972	----	----	----	----	1972
1973	----	----	----	----	1973
1974	----	8.10 B ON MAR 22	0 ON AUG 21 *	10 900	1974
1975	5.21 B AT 11:30 MST ON APR 13	9.32 B ON APR 10	0 B ON MAR 09	18 200	1975
1976	1.00 B AT 07:45 MST ON MAR 19	3.31 B ON APR 13	0 ON JUL 15	3 420	1976
1977	0.487B AT 16:00 MST ON APR 05	1.85 B ON MAR 19	0 ON JUL 01	1 990	1977
1978	12.0 AT 01:00 MST ON MAR 27	0.193B ON MAR 14	0 ON JUL 26	1 180	1978
1979	3.23 B AT 23:00 MST ON MAR 07	10.2 ON MAR 27	0 B ON MAR 01	9 700	1979
1980	5.29 AT 22:00 MST ON MAY 25	2.28 B ON MAR 08	0 B ON MAR 01	2 820	1980
1981	5.23 AT 20:30 MST ON JUL 14	4.06 B ON APR 05	0 B ON MAR 01	7 070	1981
1982	6.47 B AT 06:00 MST ON APR 12	2.05 ON MAY 07	0.010 ON SEP 19	3 760	1982
1983	3.79 AT 21:57 MST ON APR 24	5.57 B ON APR 12	0 B ON MAR 01	6 230	1983
1984	----	1.66 ON APR 25	0.001B ON MAR 08	2 550	1984
1985	18.0 AT 11:23 MST ON SEP 12 *	0.485B ON MAR 25	0.001 ON JUL 03	2 040	1985
1986	8.40 AT 04:22 MST ON SEP 26	5.60 ON SEP 13	0 ON JUL 04	4 110	1986
		6.57 ON SEP 26	0.030 ON JUN 20	9 370	
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 950	MEAN

NOSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	----	----	----	----	----	----	0.442	0.200	0.227	0.203	----	----	----	1980
1981	----	----	----	0.176	1.34	0.646	1.16	0.260	0.253	0.234	----	----	0.651	1981
1982	----	----	----	----	0.700	0.611	0.776	0.311	0.466	0.191	----	----	0.509	1982
1983	----	----	----	----	0.278	----	----	----	----	----	----	----	----	1983
1984	----	----	----	----	----	0.720	0.152	0.140	0.750	0.176	----	----	----	1984
1985	----	----	----	----	0.236	0.288	0.373	----	----	----	----	----	----	1985
1986	----	----	----	0.236	1.39	0.668	1.52	0.330	2.16	0.904	----	----	1.16	1986
1987	----	----	----	0.738	0.289	----	----	0.848	0.357	0.351	----	----	----	1987
1988	----	----	0.546	0.524	0.393	0.585	0.276	1.69	0.283	0.235	----	----	0.578	1988
1989	----	----	----	----	----	0.504	0.452	0.307	0.287	0.369	----	----	----	1989
MEAN	----	----	0.546	0.419	0.661	0.575	0.644	0.511	0.598	0.333	----	----	0.725	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA, 986 km²
LONG 114 01 00 W NATURAL FLOW

NOSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	19.7 AT 20:30 MST ON JUL 14	7.98 ON MAY 07	0.070 ON AUG 26	10 400	1981
1982	20.6 AT 01:40 MST ON JUN 30	5.10 ON JUN 30	0.120 ON SEP 25	8 090	1982
1983	---	---	---	---	1983
1984	14.9 AT 03:20 MST ON MAY 27	6.02 ON JUN 08	---	---	1984
1985	---	---	---	---	1985
1986	24.6 AT 13:00 MST ON SEP 25	15.9 ON JUL 17 *	0.101 ON MAY 02	18 400	1986
1987	---	---	---	---	1987
1988	32.5 AT 19:46 MST ON AUG 16 *	12.8 ON AUG 01	0.024 ON JUL 13 *	9 200	1988
1989	11.6 AT 16:38 MST ON AUG 19	3.03 ON JUL 10	---	---	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 500	MEAN

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	51.9	30.8	11.1	0.788	0.052	0.306	0.255	0.151	---	1961
1962	0.090	0.055	0.133	18.1	64.6	34.1	18.8	35.6	14.4	5.44	4.93	0.578	18.2	1962
1963	0.311	0.754	0.937	71.5	121	10.8	53.1	22.4	5.94	2.41	0.543	0.612	24.4	1963
1964	0.258	0.281	0.268	11.1	149	17.6	25.2	74.1	8.29	4.86	2.44	0.689	24.8	1964
1965	0.189	0.179	0.236	59.5	43.2	18.0	3.77	0.634	1.62	2.88	1.90	0.310	11.0	1965
1966	0.016	0.013	0.103	7.98	34.3	3.45	11.6	3.03	3.00	1.30	0.416	0.107	5.51	1966
1967	0.071	0.080	0.043	0.536	103	14.9	2.52	2.61	0.435	5.54	0.517	0.182	10.7	1967
1968	0.104	0.148	0.586	8.92	47.1	21.2	20.6	20.3	5.50	5.00	1.05	0.573	11.2	1968
1969	0.144	0.039	0.057	54.7	73.0	---	---	1.08	15.9	12.4	3.03	0.684	---	1969
1970	0.077	0.006	0.026	13.4	31.9	15.3	29.0	4.62	1.21	2.06	0.374	0.002	8.22	1970
1971	0.029	0.006	0.066	27.6	26.7	51.9	34.7	10.8	3.81	3.50	1.37	0.713	13.5	1971
1972	0.160	0.181	0.194	9.78	140	14.0	73.4	24.5	3.74	5.08	1.47	1.01	23.3	1972
1973	0.640	0.321	0.452	37.8	92.0	73.5	20.2	19.0	13.2	7.42	2.80	1.01	22.4	1973
1974	0.580	0.333	0.305	62.9	143	18.8	16.6	18.6	14.0	11.9	2.81	0.735	24.4	1974
1975	0.248	0.187	0.186	9.92	38.8	21.4	14.4	1.70	5.61	1.37	0.643	0.208	7.93	1975
1976	0.201	0.178	0.108	18.4	21.6	36.4	31.9	47.7	11.3	4.83	1.60	0.407	14.8	1976
1977	0.458	0.532	0.394	20.0	40.0	111	19.4	9.34	9.01	10.3	1.96	0.467	18.5	1977
1978	0.279	0.166	0.112	11.1	101	16.4	7.91	1.96	12.8	6.51	1.33	0.536	13.0	1978
1979	0.226	0.180	0.162	3.22	86.6	79.9	39.0	9.86	6.22	2.80	0.633	0.138	19.2	1979
1980	0.007	0.001	0.038	4.04	4.74	7.72	10.8	7.58	13.0	8.66	3.66	0.242	5.05	1980
1981	0.028	0.122	0.401	16.9	63.3	15.9	5.73	1.30	0.264	0.629	0.586	0.316	8.87	1981
1982	0.082	0.029	0.030	4.83	65.9	5.17	0.915	11.4	2.77	2.16	0.516	0.387	7.97	1982
1983	0.164	0.100	0.101	21.0	25.3	39.2	43.2	10.5	4.50	3.44	1.11	0.146	12.5	1983
1984	0.029	0.006	0.117	10.2	57.5	32.1	54.2	7.49	10.3	4.85	1.86	0.570	15.0	1984
1985	0.160	0.088	0.168	11.8	40.0	8.96	4.39	1.15	9.76	11.0	1.35	0.425	7.49	1985
1986	0.210	0.158	0.335	14.2	98.3	7.42	23.1	4.80	1.07	3.33	0.727	0.274	9.61	1986
1987	0.184	0.105	0.150	25.7	19.3	20.9	7.94	41.0	5.10	1.92	1.24	0.194	10.4	1987
1988	0.007	0.004	0.134	15.7	46.6	39.8	94.0	11.5	3.93	2.43	1.98	0.907	18.2	1988
1989	0.520	0.215	0.204	16.1	79.1	33.0	11.5	30.2	17.3	21.1	5.18	2.57	18.2	1989
1990	1.12	0.460	0.584	40.3	79.9	71.5	20.6	2.07	0.519	0.943	0.535	0.149	18.2	1990
MEAN	0.227	0.170	0.229	21.6	65.0	30.0	25.0	14.6	6.81	5.08	1.76	0.510	14.4	MEAN

LOCATION - LAT 56 55 10 N DRAINAGE AREA, 4 680 km^2
LONG 117 37 05 W NATURAL FLOW

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	114 ON MAY 20	0 ON SEP 23 *	---	1961
1962	---	123 ON MAY 22	0 B ON FEB 27	574 000	1962
1963	---	433 ON JUL 29	0.023B ON JAN 22	769 000	1963
1964	---	504 ON MAY 23 *	0.136B ON JAN 23	784 000	1964
1965	---	253 ON APR 29	0.057B ON DEC 31	348 000	1965
1966	---	106 ON MAY 12	0.006B ON JAN 30	174 000	1966
1967	219 AT 09:00 MST ON MAY 08	217 ON MAY 18	0.006B ON JAN 05	337 000	1967
1968	97.4 AT 08:00 MST ON JUL 31	95.1 ON JUL 31	0.045B ON JAN 12	353 000	1968
1969	334 AT 14:40 MST ON MAY 01	317 ON MAY 01	0.023B ON FEB 20	---	1969
1970	197 AT 02:00 MST ON JUL 02	174 ON JUL 02	0 B ON DEC 01	259 000	1970
1971	---	217 ON JUN 28	0.003B ON JAN 30	424 000	1971
1972	487 AT 13:30 MST ON JUL 12 *	459 ON JUL 11	0.076B ON JAN 25	736 000	1972
1973	233 AT 11:00 MST ON JUN 19	217 ON JUN 19	0.227B ON FEB 25	707 000	1973
1974	317 AT 10:00 MST ON APR 27	306 ON MAY 09	0.227B ON MAR 14	769 000	1974
1975	90.9 AT 05:00 MST ON JUN 30	85.0 ON JUN 30	0.142B ON DEC 15	250 000	1975
1976	186 AT 15:00 MST ON AUG 19	179 ON AUG 19	0.059B ON MAR 03	466 000	1976
1977	464 AT 03:00 MST ON JUN 05	422 ON JUN 04	0.283B ON MAR 21	585 000	1977
1978	419 AT 12:30 MST ON MAY 24	405 ON MAY 24	0.099B ON MAR 06	410 000	1978
1979	197 AT 22:00 MST ON JUN 01	190 ON JUN 01	0.030B ON DEC 20	605 000	1979
1980	34.0 AT 16:00 MST ON SEP 28	33.4 ON SEP 28	0 B ON FEB 13	160 000	1980
1981	175 AT 12:00 MST ON MAY 03	172 ON MAY 03	0.005B ON FEB 11	280 000	1981
1982	116 AT 18:00 MST ON MAY 14	113 ON MAY 15	0.025B ON JAN 23	251 000	1982
1983	175 AT 19:00 MST ON JUN 21	175 A ON JUN 21	0.077B ON DEC 31	193 000	1983
1984	239 AT 05:00 MST ON MAY 23	230 ON MAY 23	0.001B ON MAR 04	476 000	1984
1985	111 AT 21:30 MST ON MAY 05	104 ON MAY 05	0.078B ON FEB 07	236 000	1985
1986	119 AT 14:30 MST ON MAY 13	117 ON MAY 13	0.137B ON FEB 26	303 000	1986
1987	200 AT 06:00 MST ON AUG 04	187 ON AUG 04	0.060B ON DEC 31	327 000	1987
1988	368 AT 04:00 MST ON JUL 03	315 ON JUL 02	0 B ON JAN 10	576 000	1988
1989	169 AT 00:00 MST ON MAY 29	165 ON MAY 28	0.187B ON FEB 28	575 000	1989
1990	368 AT 02:00 MST ON JUN 14	337 ON JUN 14	0.015B ON DEC 31	576 000	1990
				454 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.071	0.072	0.083	0.191	---	---	---	1972
1973	---	---	---	---	0.542	0.222	0.075	0.084	0.045	---	---	---	---	1973
1974	---	---	---	0.109	0.545	0.063	0.080	0.090	---	---	---	---	---	1974
MEAN	---	---	---	0.109	0.544	0.143	0.075	0.082	0.064	0.191	---	---	---	MEAN

LOCATION - LAT 53 32 00 N, LONG 117 41 00 W DRAINAGE AREA, 18.1 km^2 NATURAL FLOW

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	3.20 AT 20:30 MST ON JUN 24 *	1.66 ON MAY 14 *	---	---	1973
1974	1.56 AT 21:00 MST ON MAY 06	1.18 ON MAY 07	---	---	1974
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	12.7	7.13	3.66	3.12	2.64	---	---	---	1944
1945	---	---	---	---	29.9	79.6	---	---	---	---	---	---	---	1945
1946	---	---	---	---	30.4	45.8	17.0	6.66	8.46	5.87	---	---	---	1946
1947	---	---	---	---	50.6	35.3	12.9	9.39	8.03	5.47	---	---	---	1947
1948	---	---	---	---	73.9	74.8	16.6	10.3	6.45	4.80	---	---	---	1948
1949	---	---	---	---	25.6	22.7	9.82	4.42	4.42	---	---	---	---	1949
MEAN	---	---	---	---	42.1	45.1	12.3	6.89	6.10	5.69	---	---	---	MEAN

LOCATION - LAT 49 32 05 N, LONG 114 21 35 W DRAINAGE AREA, 1 200 km^2 NATURAL FLOW

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	21.9 ON MAY 20	---	---	1944
1945	---	---	---	---	1945
1946	---	96.6 ON MAY 29	---	---	1946
1947	---	102 ON MAY 10	---	---	1947
1948	---	268 ON MAY 23 *	---	---	1948
1949	---	51.5 ON MAY 22	---	---	1949
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	41.8	129	141	52.7	22.2	14.3	11.7	8.94	6.11	---	1966
1967	7.95	8.34	12.4	16.6	210	305	75.0	20.7	10.9	9.74	10.9	6.03	57.9	1967
1968	5.81	9.52	11.6	15.9	102	133	50.4	22.7	26.6	31.5	19.9	12.6	36.7	1968
1969	12.6	11.2	14.4	73.2	131	167	83.3	19.3	13.1	12.4	11.4	7.17	46.4	1969
1970	5.10	5.84	7.06	11.5	128	149	36.8	13.7	10.9	10.1	8.21	5.73	32.7	1970
1971	5.14	11.2	9.11	31.0	171	156	51.8	19.3	13.5	13.2	9.98	8.02	41.7	1971
1972	6.85	6.49	35.5	48.4	242	256	86.1	42.3	25.5	26.8	12.7	7.49	66.1	1972
1973	11.2	10.1	11.7	19.3	94.4	92.5	29.8	13.6	10.5	9.18	7.72	7.08	26.5	1973
1974	9.73	9.47	14.8	48.2	167	245	71.5	30.9	17.3	11.4	10.1	7.97	53.6	1974
1975	6.92	6.05	7.08	21.8	126	275	99.0	32.8	19.1	18.1	19.5	20.6	54.5	1975
1976	11.2	11.2	13.3	39.7	143	79.6	48.5	90.8	26.1	15.0	10.2	7.47	41.5	1976
1977	5.76	7.24	6.20	21.2	44.9	34.5	12.6	13.4	15.4	11.9	7.59	7.63	15.7	1977
1978	6.16	5.19	27.6	30.6	138	142	80.7	28.7	20.8	15.4	9.72	8.69	43.0	1978
1979	6.87	6.63	16.3	25.4	131	101	30.3	15.3	10.3	8.07	4.46	7.92	30.4	1979
1980	4.23	5.59	6.77	47.9	124	103	26.6	15.7	17.2	14.3	12.2	19.4	33.1	1980
1981	14.6	13.1	12.9	33.0	214	157	69.7	26.8	13.7	11.6	8.05	7.12	48.7	1981
1982	3.93	5.19	7.46	15.7	85.3	134	51.2	15.4	11.9	13.1	8.01	7.69	30.0	1982
1983	6.65	9.16	9.41	23.9	84.6	76.4	40.7	14.9	8.54	7.51	9.58	5.52	24.8	1983
1984	8.76	7.48	6.28	18.4	50.5	83.2	29.5	12.2	9.34	10.9	8.35	5.41	20.8	1984
1985	4.84	4.28	6.39	25.7	88.3	70.3	18.2	13.3	35.1	40.3	29.3	14.3	29.3	1985
1986	9.62	29.2	38.5	56.6	143	113	27.8	13.1	15.4	27.7	15.1	11.3	41.6	1986
1987	10.1	8.09	14.2	53.5	103	44.2	38.5	29.0	16.4	10.2	7.76	5.69	28.5	1987
1988	4.09	4.43	6.45	26.6	71.9	66.8	17.9	10.7	7.80	9.86	9.33	7.29	20.3	1988
1989	4.82	4.13	6.92	31.1	101	116	37.6	17.2	21.3	16.6	31.8	18.3	33.9	1989
1990	13.1	10.0	10.7	52.3	163	166	65.7	30.2	13.2	16.9	27.2	10.2	48.3	1990
MEAN	7.75	8.71	13.0	33.2	128	136	49.3	23.4	16.1	15.2	12.7	9.31	37.7	MEAN

LOCATION - LAT 49 33 27 N LONG 113 49 20 W

DRAINAGE AREA, 4 400 km²
NATURAL FLOW

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	263 AT 07:30 MST ON JUN 05	252 ON JUN 05	---	---	1966
1967	739 AT 22:00 MST ON MAY 30	634 ON MAY 31	5.66B ON DEC 19	1 830 000	1967
1968	357 AT 13:00 MST ON MAY 23	297 ON MAY 23	5.07B ON JAN 27	1 160 000	1968
1969	538 AT 14:30 MST ON JUN 26	467 ON JUN 26	5.30B ON DEC 26	1 460 000	1969
1970	402 AT 01:46 MST ON JUN 14	351 ON JUN 14	4.56B ON JAN 16	1 030 000	1970
1971	331 AT 09:30 MST ON MAY 28	314 ON MAY 28	4.28B ON JAN 13	1 310 000	1971
1972	716 A ON JUN 01	651 A ON JUN 01	3.17B ON DEC 09	2 090 000	1972
1973	212 AT 10:20 MST ON MAY 18	199 ON MAY 18	3.96B ON DEC 31	836 000	1973
1974	408 AT 08:35 MST ON JUN 18	374 ON JUN 17	5.64B ON JAN 01	1 690 000	1974
1975	1 560 AT 07:30 MST ON JUN 20 *	1 220 ON JUN 20 *	5.41B ON FEB 01	1 720 000	1975
1976	326 AT 06:20 MST ON AUG 06	269 ON AUG 06	4.19B ON DEC 30	1 310 000	1976
1977	77.0 AT 19:45 MST ON MAY 11	68.5 ON MAY 12	2.97B ON NOV 21	496 000	1977
1978	247 AT 11:25 MST ON JUN 06	238 ON JUN 06	4.25B ON MAR 03	1 360 000	1978
1979	282 AT 06:00 MST ON MAY 27	269 ON MAY 27	2.13B ON NOV 30	960 000	1979
1980	272 AT 00:00 MST ON MAY 27	249 ON MAY 27	2.84B ON JAN 11	1 050 000	1980
1981	519 AT 14:30 MST ON MAY 22	477 ON MAY 22	1.98 ON NOV 26 *	1 540 000	1981
1982	189 AT 06:05 MST ON MAY 26	181 ON MAY 26	2.76B ON JAN 16	947 000	1982
1983	185 AT 00:00 MST ON MAY 27	170 ON MAY 26	2.25B ON DEC 02	763 000	1983
1984	144 AT 10:40 MST ON MAY 31	132 ON MAY 31	2.84B ON NOV 27	659 000	1984
1985	159 AT 09:45 MST ON JUN 08	143 ON MAY 26	3.82B ON FEB 09	923 000	1985
1986	345 AT 11:40 MST ON MAY 29	332 ON MAY 29	4.50B ON FEB 23	1 310 000	1986
1987	183 AT 14:10 MST ON MAY 01	176 ON MAY 01	3.00B ON DEC 14	900 000	1987
1988	135 AT 13:15 MST ON JUN 08	125 ON JUN 08	2.10B ON FEB 01	641 000	1988
1989	198 AT 06:50 MST ON MAY 08	181 ON MAY 08	3.48B ON FEB 03	1 070 000	1989
1990	432 AT 12:30 MST ON MAY 26	418 ON MAY 26	4.80B ON DEC 22	1 520 000	1990
				1 190 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	27.1	8.81	5.28	5.11	---	---	---	1908
1909	---	---	---	---	40.6	96.1	---	19.3	7.15	5.05	---	---	---	1909
1910	---	---	---	---	---	24.4	9.16	5.41	6.78	9.18	---	---	---	1910
1911	2.75	3.31	3.10	10.4	35.6	58.1	16.0	22.9	28.2	10.5	7.16	5.16	17.0	1911
1912	4.39	2.42	8.81	15.3	23.4	53.9	20.9	14.4	7.17	6.31	5.77	4.16	14.5	1912
1913	3.16	3.30	2.94	20.2	48.4	48.7	17.0	15.4	9.42	8.02	7.22	4.97	15.8	1913
1914	3.45	2.55	2.74	10.5	38.1	36.1	17.1	7.66	5.73	12.7	10.6	4.38	12.7	1914
1915	4.87	2.99	2.96	14.0	65.3	69.4	38.0	19.6	11.4	11.5	9.12	4.22	21.2	1915
1916	3.20	21.7	12.1	18.1	41.2	98.5	52.6	13.9	13.3	8.18	5.45	2.86	24.2	1916
1917	3.36	2.98	2.82	9.59	57.6	75.9	26.0	11.0	6.46	4.23	3.80	2.99	17.3	1917
1918	3.60	1.26	2.84	12.4	27.1	41.7	11.8	8.01	6.67	6.76	4.06	2.56	10.8	1918
1919	2.45	2.47	2.79	14.1	43.1	28.2	9.42	5.11	3.35	3.29	2.75	3.06	10.0	1919
1920	2.18	2.53	3.87	9.48	44.7	68.5	36.2	8.61	4.81	4.37	3.91	3.03	16.0	1920
1921	2.76	3.06	3.27	10.9	42.8	41.3	12.0	4.71	3.21	3.22	2.65	1.60	11.0	1921
1922	1.83	1.69	1.74	5.34	41.6	49.8	15.9	6.19	4.33	3.75	3.25	1.92	11.5	1922
1923	2.05	2.18	2.89	6.82	52.0	129	31.2	10.8	5.82	4.57	3.21	2.57	21.1	1923
1924	1.87	2.66	2.47	6.27	35.2	59.5	18.1	17.6	5.84	4.48	2.89	2.60	13.6	1924
1925	2.62	2.74	5.18	23.0	51.0	41.4	12.0	6.10	5.69	7.39	5.74	5.01	14.0	1925
1926	3.95	4.07	4.26	16.2	13.3	26.8	14.3	5.98	24.7	22.3	8.91	4.91	12.5	1926
1927	3.10	2.66	3.27	17.4	48.9	92.5	29.0	22.8	39.2	21.5	9.62	5.69	24.6	1927
1928	7.46	5.20	7.39	15.4	52.8	56.1	52.6	13.0	10.2	15.3	7.85	3.90	20.7	1928
1929	2.83	2.64	5.20	7.33	37.6	79.6	14.0	5.37	4.02	3.86	2.80	2.89	14.0	1929
1930	2.29	5.61	4.10	18.6	41.3	52.1	17.9	6.17	4.83	3.65	2.35	1.95	13.4	1930
1931	1.72	1.72	2.49	3.32	---	---	---	---	---	---	---	---	---	1931
1944	---	---	---	---	---	---	---	---	---	---	2.29	1.45	---	1944
1945	1.21	1.20	1.77	2.59	---	---	---	---	---	---	4.38	2.75	---	1945
1946	2.45	3.28	3.90	10.0	---	---	---	---	---	---	4.74	3.63	---	1946
1947	3.53	3.48	6.94	19.8	---	---	---	---	---	---	---	---	---	1947
1948	---	2.47	3.96	15.7	---	---	---	---	---	---	4.30	3.20	---	1948
1949	2.13	1.90	1.78	6.17	---	---	---	---	---	---	---	---	---	1949
MEAN	2.93	3.54	4.06	12.3	42.2	60.3	23.0	11.3	9.73	8.04	5.20	3.39	15.8	MEAN

LOCATION - LAT 49 36 23 N LONG 114 02 43 W DRAINAGE AREA, 1 940 km² NATURAL FLOW

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	235 ON JUN 02	---	---	1909
1910	---	---	---	---	1910
1911	---	158 ON MAY 16	1.84 ON MAR 14	535 000	1911
1912	---	200 ON JUN 16	2.18 B ON JAN 10	458 000	1912
1913	---	67.4 ON MAY 13	2.10 B ON MAR 25	498 000	1913
1914	---	57.2 ON JUN 04	2.38 B ON MAR 04	400 000	1914
1915	---	123 ON JUN 27	1.47 B ON MAR 10	669 000	1915
1916	---	170 ON JUN 19	2.12 ON MAR 01	764 000	1916
1917	---	114 ON MAY 16	1.70 B ON DEC 25	545 000	1917
1918	---	89.2 ON JUN 10	0.793B ON FEB 17 *	341 000	1918
1919	---	85.0 ON MAY 29	0.963B ON NOV 12	317 000	1919
1920	---	105 ON JUN 16	0.878B ON JAN 11	507 000	1920
1921	---	82.7 ON MAY 26	1.02 B ON DEC 23	346 000	1921
1922	---	85.2 ON JUN 06	1.10 B ON FEB 16	362 000	1922
1923	---	626 ON MAY 31 *	1.03 B ON DEC 02	665 000	1923
1924	---	79.3 ON JUN 08	1.30 B ON JAN 17	431 000	1924
1925	---	102 ON MAY 22	2.21 B ON JAN 29	442 000	1925
1926	---	74.5 ON JUN 23	2.03 B ON APR 04	393 000	1926
1927	---	177 ON JUN 11	1.55 B ON FEB 17	777 000	1927
1928	---	187 ON JUL 03	2.20 B ON DEC 31	654 000	1928
1929	---	419 ON JUN 03	2.32 B ON NOV 18	441 000	1929
1930	---	83.0 ON JUN 08	1.64 B ON DEC 19	423 000	1930
1931	---	---	---	---	1931
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	---	---	---	1949
				498 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	13.0	17.7	29.9	---	---	---	1910
1911	---	---	---	50.4	168	237	55.9	58.9	115	36.5	38.9	18.2	---	1911
1912	11.2	10.7	24.0	46.3	106	108	84.9	34.4	20.7	20.7	20.2	12.0	41.6	1912
1913	8.66	8.03	10.9	73.9	148	174	51.3	32.8	21.6	21.9	19.6	11.7	48.5	1913
1914	8.01	6.65	11.4	44.6	116	104	42.8	21.7	19.1	47.3	36.2	14.3	39.5	1914
1915	12.1	9.67	13.3	48.5	185	174	93.6	46.6	26.9	31.8	25.2	15.5	57.1	1915
1916	9.60	37.2	30.6	45.2	103	326	143	35.9	25.8	17.8	15.9	9.20	66.4	1916
1917	7.78	7.06	7.64	44.4	172	247	79.6	24.7	15.1	11.2	9.60	7.28	51.1	1917
1918	14.6	8.00	16.1	33.1	86.0	126	32.5	18.9	15.6	14.9	11.3	8.80	32.2	1918
1919	8.55	5.08	8.55	35.4	114	75.6	25.3	13.1	8.46	9.84	9.06	7.12	26.8	1919
1920	6.09	7.29	12.6	29.5	129	175	91.1	22.9	13.1	14.0	10.4	7.44	43.2	1920
1921	8.09	9.22	10.6	32.7	151	152	39.6	14.9	10.6	12.1	8.22	7.86	33.9	1921
1922	6.79	5.34	5.99	18.8	159	141	42.3	15.7	8.97	8.41	8.22	5.10	33.0	1922
1923	6.46	5.87	7.69	23.1	118	446	76.5	25.4	16.0	9.49	11.2	8.10	63.2	1923
1924	7.34	10.6	9.37	15.1	84.6	128	35.9	25.9	12.2	10.5	10.4	10.3	30.0	1924
1925	11.3	10.2	31.3	78.1	136	101	22.9	8.28	12.3	19.2	14.9	15.3	38.5	1925
1926	9.92	9.10	8.14	33.4	37.6	37.3	16.5	4.71	47.3	59.5	25.3	15.5	25.4	1926
1927	9.63	8.29	11.0	44.7	173	299	109	46.3	86.4	59.2	31.6	20.9	49.1	1927
1928	24.4	18.2	38.3	50.8	177	151	140	32.1	23.1	34.3	20.0	13.2	60.3	1928
1929	8.25	7.47	21.9	22.5	122	193	27.5	5.36	3.85	3.97	8.16	7.11	35.9	1929
1930	6.24	14.2	13.2	61.8	109	114	22.2	3.15	3.50	7.70	8.34	6.21	30.8	1930
1931	6.88	5.81	7.25	10.2	43.7	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	5.51	6.81	---	---	---	1932
1933	6.79	4.47	6.82	21.2	---	---	42.1	8.85	---	---	34.5	21.0	---	1933
1934	17.0	20.6	28.1	115	150	118	26.7	2.48	2.87	---	---	13.2	---	1934
1935	14.3	19.1	12.1	30.6	88.8	99.9	23.0	2.62	1.91	3.23	8.35	5.42	25.8	1935
1936	5.48	3.98	12.3	19.5	84.4	57.6	2.51	0.778	0.790	4.04	6.92	5.51	18.5	1936
1937	4.30	4.67	6.73	18.3	65.1	125	23.5	1.80	1.10	7.44	24.1	10.6	24.3	1937
1938	8.00	7.72	10.3	54.3	165	154	42.5	5.56	4.39	6.38	13.5	8.42	42.2	1938
1939	6.95	5.31	14.7	32.9	54.2	95.6	26.0	1.51	1.44	10.1	14.7	11.9	22.9	1939
1940	7.03	6.64	15.6	29.7	89.8	40.7	8.08	2.90	15.8	25.7	17.7	12.1	22.7	1940
1941	9.22	7.61	11.2	26.4	34.3	38.9	10.2	1.70	13.2	23.2	16.6	26.1	18.2	1941
1942	16.7	8.35	8.10	30.9	215	243	92.0	33.8	32.5	19.6	14.6	10.5	60.6	1942
1943	8.16	9.84	28.3	89.3	102	132	53.5	6.00	4.08	3.43	6.99	5.15	37.4	1943
1944	5.16	5.29	5.69	5.55	15.3	29.8	9.32	2.13	2.07	3.93	6.71	6.17	8.08	1944
1945	5.68	5.03	6.95	3.40	86.9	192	49.4	3.87	3.89	10.1	13.4	9.35	32.5	1945
1946	8.07	6.67	10.3	35.4	94.6	121	38.1	3.25	15.2	19.6	19.4	14.7	32.2	1946
1947	12.4	22.0	29.0	73.5	173	117	26.7	10.2	22.6	50.7	30.8	11.5	48.4	1947
1948	10.9	8.34	13.0	86.3	244	333	78.6	41.6	7.79	---	---	---	---	1948
MEAN	9.38	9.71	14.4	40.9	118	154	49.7	17.4	17.8	19.1	16.8	11.2	38.3	MEAN

LOCATION - LAT 49 43 00 N
LONG 113 27 00 W
DRAINAGE AREA, 5 760 km²
REGULATED

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	---	---	1910
1911	---	467 ON MAY 16	---	---	1911
1912	---	306 ON JUN 16	7.36 B ON DEC 18	1 320 000	1912
1913	---	385 ON MAY 29	6.37 B ON FEB 26	1 530 000	1913
1914	---	167 ON JUN 05	5.66 B ON JAN 31	1 240 000	1914
1915	---	292 ON JUN 26	7.79 B ON DEC 16	1 800 000	1915
1916	---	609 ON JUN 21	7.79 B ON JAN 13	2 100 000	1916
1917	340 ON JUN 10 *	331 ON JUN 10	4.25 B ON DEC 04	1 610 000	1917
1918	---	324 ON JUN 12	4.59 B ON DEC 30	1 020 000	1918
1919	---	261 A ON MAY 28	2.83 B ON FEB 05	846 000	1919
1920	283 ON JUN 18	276 ON JUN 18	2.58 B ON DEC 08	1 370 000	1920
1921	---	252 A ON MAY 26	4.56 B ON NOV 20	1 070 000	1921
1922	282 ON JUN 06	271 ON JUN 06	3.68 B ON NOV 30	1 040 000	1922
1923	---	1 990 A ON JUN 01 *	4.81 ON OCT 16	1 990 000	1923
1924	---	197 ON JUN 09	5.52 B ON JAN 01	950 000	1924
1925	---	272 ON MAY 22	5.89 ON SEP 04	1 210 000	1925
1926	---	109 A ON JUN 23	4.19 A ON AUG 24	900 000	1926
1927	---	493 ON JUN 12	6.65 B ON MAR 20	2 370 000	1927
1928	---	394 ON JUL 01	8.95 B ON DEC 03	1 910 000	1928
1929	---	671 ON JUN 04	1.64 B ON NOV 21	1 130 000	1929
1930	---	187 ON MAY 31	2.35 ON AUG 31	970 000	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	---	---	2.63 B ON FEB 10	---	1933
1934	---	541 ON JUN 08	1.81 ON SEP 05	---	1934
1935	---	186 ON MAY 24	0.793 ON OCT 17	814 000	1935
1936	---	135 ON MAY 15	0.518 ON AUG 08	585 000	1936
1937	---	191 ON JUN 13	0.881 ON AUG 16	768 000	1937
1938	---	445 ON MAY 26	0.566 ON OCT 21	1 330 000	1938
1939	---	242 ON JUN 17	0.184 ON SEP 17 *	724 000	1939
1940	---	164 ON MAY 12	0.425 ON AUG 29	717 000	1940
1941	---	76.7 ON JUN 03	1.37 ON AUG 07	576 000	1941
1942	---	1 060 ON MAY 12	4.56 B ON FEB 25	1 910 000	1942
1943	---	199 ON JUN 18	3.23 ON OCT 31	1 180 000	1943
1944	---	49.6 ON JUN 28	1.47 ON AUG 13	255 000	1944
1945	---	411 ON JUN 07	1.30 ON APR 17	1 020 000	1945
1946	---	238 ON MAY 29	1.01 ON AUG 22	1 020 000	1946
1947	---	303 ON MAY 11	3.34 ON AUG 12	1 530 000	1947
1948	---	1 100 ON JUN 18	---	---	1948
				1 210 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	249	80.3	---	---	---	1911
1912	27.3	25.4	51.2	102	223	223	192	83.6	46.0	46.4	---	---	---	1912
1913	17.5	11.7	12.8	145	266	445	172	98.8	55.3	60.1	50.6	25.6	114	1913
1914	19.0	17.6	31.8	96.6	244	224	108	54.5	45.8	113	84.8	31.0	89.5	1914
1915	25.9	20.4	55.5	98.4	297	409	259	145	93.9	102	59.4	27.9	133	1915
1916	22.7	87.1	97.2	106	232	665	385	108	89.4	51.3	38.0	36.3	160	1916
1917	19.9	22.5	23.6	102	436	612	221	56.7	35.3	29.7	26.9	18.5	134	1917
1918	55.4	31.2	50.2	87.6	213	307	82.3	43.8	39.7	40.2	26.7	21.0	83.3	1918
1919	18.1	16.0	17.5	65.9	242	189	59.1	30.2	17.6	18.8	22.6	19.9	60.0	1919
1920	18.4	24.6	59.1	90.5	294	364	236	58.8	36.0	41.2	30.2	21.6	106	1920
1921	19.5	23.1	43.0	94.6	284	359	121	41.4	26.2	44.9	31.2	25.2	93.0	1921
1922	18.8	11.0	15.5	62.2	282	372	125	36.7	22.3	20.5	25.1	13.1	84.2	1922
1923	16.2	12.2	20.3	55.1	223	762	190	79.4	51.4	27.5	27.6	16.9	123	1923
1924	14.7	21.5	29.1	53.5	206	325	112	59.9	26.8	26.6	32.1	28.4	77.9	1924
1925	14.7	30.4	60.8	177	325	297	98.2	32.2	37.9	60.8	38.7	30.1	102	1925
1926	20.4	18.6	20.7	71.8	84.9	90.6	49.4	16.7	98.7	138	59.5	36.6	58.9	1926
1927	20.9	20.6	41.4	106	432	786	301	126	205	162	85.7	47.0	195	1927
1928	94.8	43.2	108	104	395	360	401	82.0	53.0	99.4	56.8	29.8	153	1928
1929	20.3	16.9	58.1	60.1	276	405	89.9	21.8	17.4	18.7	21.6	17.3	85.4	1929
1930	14.8	45.2	37.8	154	267	268	76.4	18.7	16.0	25.8	18.3	15.7	79.7	1930
1931	13.2	12.7	14.8	22.1	135	107	23.9	11.6	11.0	---	---	---	---	1931
1932	---	---	---	---	---	361	83.1	26.0	19.3	16.8	31.2	26.6	---	1932
1933	19.5	13.4	20.2	64.3	242	351	133	24.5	30.7	48.7	105	55.8	92.6	1933
1934	65.1	70.1	61.2	222	311	324	69.4	15.3	14.8	27.8	86.9	32.3	108	1934
1935	36.7	64.5	49.9	73.0	180	217	74.6	21.0	10.2	11.2	20.6	15.7	64.3	1935
1936	10.3	6.53	45.6	90.6	186	156	18.5	5.96	5.98	6.34	15.3	6.08	46.1	1936
1937	8.95	8.98	19.6	40.8	133	367	67.6	15.3	9.76	23.2	39.3	23.0	62.9	1937
1938	23.8	16.5	51.2	95.8	332	329	116	23.3	16.1	17.1	19.9	18.2	87.8	1938
1939	18.7	11.5	34.2	64.3	153	185	63.2	10.2	8.71	21.3	25.1	20.7	51.4	1939
1940	15.5	13.5	33.9	58.5	189	114	31.0	17.5	27.8	44.9	30.4	23.5	50.0	1940
1941	19.5	17.6	25.2	47.9	91.2	101	46.6	10.2	27.6	64.5	41.3	39.3	44.4	1941
1942	28.9	16.0	29.4	73.2	367	615	243	82.6	67.7	52.6	32.0	29.0	137	1942
1943	18.6	24.4	54.4	204	254	389	197	33.2	13.7	13.7	18.9	12.9	103	1943
1944	10.3	9.88	12.6	21.6	58.2	102	41.7	13.8	10.4	15.0	18.3	13.6	27.2	1944
1945	13.3	12.8	20.9	15.8	194	426	133	14.4	17.8	30.8	44.1	25.2	79.0	1945
1946	19.1	15.4	28.2	70.3	213	293	95.7	15.0	49.9	42.9	42.0	30.9	74.7	1946
1947	27.5	51.3	144	149	357	283	93.6	36.3	88.5	125	74.5	28.3	119	1947
1948	30.4	22.0	34.5	183	553	941	170	88.9	23.1	---	---	---	---	1948
1953	---	---	---	---	---	---	---	---	---	---	---	---	---	1953
1957	---	---	---	---	---	---	---	---	---	---	---	---	---	1957
1958	14.5	13.0	27.2	106	277	258	132	42.3	13.1	32.5	47.8	18.8	---	1958
1959	19.9	32.1	53.7	91.8	286	413	158	41.3	22.4	23.5	29.9	23.1	81.0	1959
									66.6	73.3	81.6	54.4	115	
1960	31.7	25.0	79.9	112	200	229	68.6	25.3	9.12	10.4	14.9	13.6	58.3	1960
1961	10.2	12.4	17.1	22.0	222	261	50.2	15.5	14.5	37.7	30.3	12.6	58.9	1961
1962	15.7	32.5	53.2	124	146	170	50.0	14.8	11.9	10.3	12.6	16.6	54.7	1962
1963	16.0	24.5	18.8	16.0	107	242	252	32.8	18.2	16.9	23.7	21.2	66.0	1963
1964	15.0	13.8	12.9	34.0	349	609	142	25.6	14.9	25.5	19.0	15.3	106	1964
1965	19.7	28.0	39.5	107	235	497	239	55.4	70.1	95.6	47.5	38.8	123	1965
1966	27.5	23.8	49.3	108	267	374	160	52.1	46.1	25.3	34.4	23.8	99.2	1966
1967	24.4	24.4	56.4	77.8	474	719	206	35.6	13.1	49.5	27.4	12.2	140	1967
1968	17.7	19.5	30.3	29.7	138	263	75.5	46.3	106	99.5	95.5	36.1	79.9	1968
1969	33.9	22.2	92.3	161	240	331	236	35.7	12.2	18.5	25.1	15.1	102	1969
1970	8.46	13.5	19.8	29.3	237	350	90.2	19.5	15.1	18.2	19.3	21.5	70.2	1970
1971	18.4	52.4	27.3	61.6	292	339	88.0	29.8	21.2	32.1	29.3	17.0	84.0	1971
1972	16.8	17.0	120	127	411	499	156	95.0	47.1	49.9	40.7	21.0	134	1972
1973	20.9	24.5	34.6	30.9	145	144	36.9	8.30	9.68	13.5	24.1	21.8	41.2	1973
1974	18.5	29.9	43.0	82.7	283	473	138	52.5	33.3	17.6	19.6	13.8	100	1974
1975	12.2	12.2	16.3	74.2	318	729	245	49.5	64.3	55.4	41.8	52.6	139	1975
1976	45.9	35.5	43.0	73.6	242	131	81.9	150	46.7	36.1	26.1	17.4	77.8	1976
1977	12.8	19.7	15.8	21.9	40.2	26.0	7.86	8.30	9.43	14.8	11.8	12.1	16.7	1977
1978	9.07	10.5	70.7	47.2	244	303	153	55.8	114	73.7	28.3	19.7	94.4	1978
1979	13.0	11.2	73.7	79.7	290	188	26.7	11.5	8.60	16.1	13.0	15.9	62.6	1979
1980	6.54	11.2	15.4	46.1	189	238	26.3	15.1	22.6	34.9	43.3	31.7	56.6	1980
1981	53.1	33.8	25.0	32.7	416	316	90.5	34.4	12.4	13.3	21.3	8.94	88.5	1981
1982	5.52	9.82	17.2	44.3	96.5	257	100	12.0	10.6	34.4	23.6	17.6	32.5	1982
1983	14.0	18.0	23.4	23.8	94.8	78.5	27.4	8.42	7.37	14.1	22.5	11.8	28.9	1983
1984	22.3	21.2	12.4	14.3	28.6	73.6	19.4	5.14	6.60	15.0	16.6	8.82	20.2	1984
1985	7.43	8.24	14.7	22.9	112	85.3	5.05	4.78	31.4	58.4	68.7	36.8	38.1	1985
1986	29.9	65.0	96.4	89.4	199	176	13.6	5.43	15.4	48.7	30.1	27.4	66.2	1986
1987	21.4	23.8	32.3	72.1	109	39.7	35.7	37.8	57.8	31.3	15.3	11.1	40.7	1987
1988	7.62	12.4	14.9	17.9	40.3	45.9	5.01	7.12	5.91	20.9	13.2	10.4	16.8	1988
1989	9.80	8.69	18.5	34.3	78.1	142	12.3	11.4	54.8	35.1	100	42.5	45.5	1989
1990	18.0	26.3	41.1	102	248	297	51.7	29.5	13.2	27.0	53.6	26.0	77.8	1990
MEAN	21.6	23.5	40.9	78.8	235	320	117	39.1	37.4	41.6	37.3	23.7	83.7	MEAN

LOCATION - LAT 49 42 30 N LONG 112 52 30 W

DRAINAGE AREA, 17 000 km²

REGULATED SINCE 1910

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	419 ON JUN 17	---	---	1912
1913	---	705 ON MAY 29	8.50B ON DEC 24	3 580 000	1913
1914	---	348 ON JUN 05	8.21 ON MAR 27	2 820 000	1914
1915	---	626 ON JUN 27	18.2 ON MAR 08	4 210 000	1915
1916	---	1 220 ON JUN 20	9.94 ON NOV 13	5 040 000	1916
1917	---	1 120 ON JUN 10	12.7 B ON DEC 11	4 220 000	1917
1918	---	569 ON JUN 15	10.2 B ON NOV 27	2 630 000	1918
1919	---	547 ON MAY 30	8.89B ON FEB 26	1 890 000	1919
1920	---	501 ON JUN 19	10.5 B ON JAN 21	3 360 000	1920
1921	---	510 ON MAY 26	14.8 B ON FEB 04	2 930 000	1921
1922	---	597 ON JUN 07	6.46B ON DEC 03	2 650 000	1922
1923	2 830 AT 16:30 MST ON JUN 02	2 360 ON JUN 02	10.6 B ON FEB 10	3 890 000	1923
1924	---	490 ON JUN 08	11.6 B ON JAN 09	2 460 000	1924
1925	---	547 ON MAY 24	14.2 B ON DEC 23	3 220 000	1925
1926	244 AT 08:30 MST ON JUN 21	241 ON JUN 21	13.5 B ON FEB 18	1 860 000	1926
1927	1 420 AT 16:30 MST ON JUN 12	1 380 ON JUN 12	15.6 B ON JAN 21	6 140 000	1927
1928	1 240 AT 17:30 MST ON JUL 02	1 200 ON JUL 02	15.9 B ON DEC 02	4 840 000	1928
1929	1 180 AT 18:00 MST ON JUN 04	1 110 ON JUN 04	10.6 B ON NOV 22	2 690 000	1929
1930	---	402 ON JUN 01	7.45 ON SEP 08	2 510 000	1930
1931	---	250 ON MAY 18	---	---	1931
1932	---	852 ON JUN 03	---	---	1932
1933	---	445 ON JUN 18	12.1 B ON FEB 09	2 920 000	1933
1934	---	991 ON JUN 08	10.2 ON AUG 30	3 410 000	1934
1935	---	385 ON MAY 25	5.95 ON OCT 07	2 030 000	1935
1936	---	292 ON JUN 03	3.79 ON AUG 31	1 460 000	1936
1937	---	1 130 ON JUN 14	7.14B ON JAN 29	1 990 000	1937
1938	---	804 ON MAY 28	9.94B ON NOV 12	2 770 000	1938
1939	---	371 ON JUN 18	5.66 ON SEP 05	1 620 000	1939
1940	---	268 ON MAY 14	5.52 ON AUG 31	1 580 000	1940
1941	---	181 ON JUN 04	6.20 ON AUG 25	1 400 000	1941
1942	2 710 AT 12:00 MST ON JUN 07	2 340 ON JUN 07	10.1 B ON FEB 16	4 310 000	1942
1943	---	549 ON JUN 20	9.38B ON DEC 24	3 240 000	1943
1944	---	166 ON JUN 29	7.25B ON JAN 01	861 000	1944
1945	---	813 ON JUN 08	5.52 ON SEP 07	2 490 000	1945
1946	---	484 ON MAY 30	10.4 ON AUG 24	2 360 000	1946
1947	---	643 ON MAR 17	17.2 ON AUG 19	3 770 000	1947
1948	---	2 830 ON JUN 18	---	---	1948
1953	3 110 AT 02:00 MST ON JUN 10 *	2 890 ON JUN 10 *	---	---	1953
1957	---	---	---	---	1957
1958	439 AT 01:00 MST ON MAY 14	416 ON MAY 14	6.43B ON FEB 08	2 560 000	1958
1959	612 AT 06:00 MST ON JUN 07	606 ON JUN 07	14.3 B ON JAN 30	3 610 000	1959
1960	---	379 ON JUN 05	6.09 ON SEP 18	2 160 000	1960
1961	586 AT 09:00 MST ON MAY 29	572 ON MAY 29	5.83 ON JAN 04	1 860 000	1961
1962	---	259 ON JUN 15	7.36 ON OCT 04	1 720 000	1962
1963	---	861 ON JUL 01	5.38 ON NOV 20	2 080 000	1963
1964	2 090 AT 13:00 MST ON JUN 10	1 980 ON JUN 10	7.65 ON MAR 24	3 360 000	1964
1965	968 AT 12:00 MST ON JUN 19	923 ON JUN 19	12.1 B ON FEB 14	3 870 000	1965
1966	699 AT 03:00 MST ON JUN 06	682 ON JUN 06	11.9 B ON DEC 03	3 130 000	1966
1967	1 090 AT 06:00 MST ON JUN 02	1 060 ON JUN 01	9.00B ON DEC 14	4 410 000	1967
1968	413 AT 08:00 MST ON JUN 09	408 ON JUN 09	11.8 B ON JAN 06	2 530 000	1968
1969	974 AT 10:27 MST ON JUN 30	957 ON JUN 30	5.10B ON DEC 11	3 220 000	1969
1970	---	722 ON JUN 16	4.62B ON NOV 23	2 210 000	1970
1971	586 AT 13:00 MST ON JUN 01	583 ON JUN 01	5.15B ON DEC 09	2 650 000	1971
1972	892 AT 08:40 MST ON JUN 02	867 ON JUN 02	7.99B ON DEC 03	4 220 000	1972
1973	257 AT 00:04 MST ON MAY 21	250 ON MAY 21	4.87 ON AUG 28	1 300 000	1973
1974	711 AT 08:25 MST ON JUN 19	697 ON JUN 19	7.62B ON DEC 27	3 160 000	1974
1975	2 820 AT 20:00 MST ON JUN 21	2 440 ON JUN 21	10.1 B ON JAN 23	4 390 000	1975
1976	---	365 A ON MAY 15	9.40B ON DEC 31	2 460 000	1976
1977	58.0 AT 03:00 MST ON MAY 13	57.5 ON MAY 13	2.61B ON NOV 23	526 000	1977
1978	467 AT 22:40 MST ON JUN 10	459 ON JUN 10	8.24B ON JAN 30	2 980 000	1978
1979	532 AT 08:40 MST ON MAY 28	522 ON MAY 28	7.73 ON SEP 27	1 970 000	1979
1980	843 ON MAY 27	807 A ON MAY 27	4.76B ON JAN 11	1 790 000	1980
1981	1 170 AT 13:00 MST ON MAY 23	1 100 ON MAY 24	5.30B ON DEC 31	2 790 000	1981
1982	348 AT 17:25 MST ON JUN 18	325 ON JUN 17	4.00B ON JAN 10	1 660 000	1982
1983	273 AT 06:15 MST ON MAY 28	266 ON MAY 28	4.75A ON SEP 29	910 000	1983
1984	107 AT 10:35 MST ON JUN 01	98.1 ON JUN 01	2.96 ON AUG 30	640 000	1984
1985	218 AT 09:20 MST ON MAY 27	214 ON MAY 27	2.12 ON AUG 07 *	1 200 000	1985
1986	500 AT 01:15 MST ON MAY 30	481 ON MAY 30	4.08 ON JUL 31	2 090 000	1986
1987	224 AT 22:25 MST ON MAY 02	217 ON MAY 02	4.26 ON JUL 04	1 280 000	1987
1988	116 AT 15:10 MST ON JUN 09	109 ON JUN 10	4.40 ON SEP 07	532 000	1988
1989	321 AT 04:10 MST ON JUN 13	312 ON JUN 13	5.11 ON JUL 29	1 440 000	1989
1990	685 AT 12:00 MST ON MAY 31	670 ON MAY 31	7.23 ON SEP 28	2 450 000	1990
				2 640 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR MONARCH - STATION NO. 05AD019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	---	---	---	---	---	---	---	---	---	---	---	---	---	1948
1949	5.84	5.31	6.93	38.5	100	78.1	12.7	3.76	2.61	6.20	13.2	11.2	23.7	1949
1950	6.52	9.66	13.9	43.2	138	189	66.5	11.0	3.24	9.24	20.3	19.7	44.2	1950
1951	11.7	14.6	26.0	75.1	274	258	156	50.1	122	83.0	43.8	25.9	95.4	1951
1952	20.5	19.8	34.4	107	111	91.5	48.0	23.5	13.7	9.79	10.7	8.84	41.5	1952
1953	9.08	9.98	17.6	45.1	184	522	100	21.5	9.80	9.61	13.4	7.92	79.0	1953
1954	4.88	12.8	12.9	38.1	201	181	89.9	24.7	32.1	33.9	24.7	17.5	56.3	1954
1955	7.11	7.09	7.76	49.3	144	191	99.9	18.4	7.34	19.1	26.4	9.57	49.0	1955
1956	8.32	6.89	11.5	40.2	172	132	73.6	19.5	9.36	8.64	10.5	9.72	42.0	1956
1957	6.96	9.39	26.5	23.6	194	116	16.1	1.55	1.26	7.77	16.4	8.40	35.9	1957
1958	6.93	6.85	11.9	40.2	159	98.5	69.1	19.4	9.79	5.73	8.07	8.96	37.3	1958
1959	10.3	8.40	22.9	33.2	163	196	64.4	13.3	24.6	28.0	24.9	17.0	50.7	1959
1960	7.32	16.2	35.9	58.8	110	99.4	23.5	6.61	1.24	2.14	9.30	7.68	31.5	1960
1961	8.41	8.54	8.62	11.2	159	142	25.1	3.30	2.23	14.9	18.2	6.37	33.2	1961
1962	8.56	14.3	19.2	74.2	84.3	88.5	20.1	3.25	2.57	2.18	8.20	10.0	27.9	1962
1963	7.69	19.4	12.3	7.15	63.5	118	160	14.9	3.27	4.87	9.17	10.9	36.1	1963
1964	6.51	5.83	12.0	20.1	170	235	48.6	5.16	4.13	9.75	10.2	5.61	44.3	1964
1965	5.56	10.3	14.1	50.0	108	217	91.5	18.8	28.9	27.5	20.2	13.7	50.5	1965
1966	8.37	8.82	29.6	46.6	129	165	57.1	20.2	13.3	10.3	16.6	9.49	43.0	1966
1967	7.88	10.0	23.8	24.3	245	372	80.9	12.2	4.37	6.52	18.8	7.94	67.9	1967
1968	7.23	10.2	17.6	14.7	93.8	126	40.4	15.1	29.1	38.7	---	---	---	1968
1969	---	---	26.1	97.3	131	179	125	10.9	4.49	10.7	---	---	---	1969
MEAN	8.28	10.7	18.6	44.7	149	181	69.4	15.1	15.7	16.3	16.7	11.2	46.8	MEAN

LOCATION - LAT 49 47 25 N LONG 113 07 25 W DRAINAGE AREA, 8 880 km² REGULATED

OLDMAN RIVER NEAR MONARCH - STATION NO. 05AD019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	---	---	---	---	1948
1949	---	182 ON MAY 25	1.76 ON SEP 25	749 000	1949
1950	---	257 ON JUN 16	1.44 ON OCT 10	1 390 000	1950
1951	---	527 ON JUN 25	3.96 B ON JAN 06	3 010 000	1951
1952	---	216 ON APR 28	3.82 B ON NOV 29	1 310 000	1952
1953	---	1 550 ON JUN 10 *	4.42 B ON JAN 08	4 490 000	1953
1954	---	464 ON MAY 20	2.12 B ON JAN 19	1 780 000	1954
1955	---	396 ON MAY 21	3.96 B ON FEB 23	1 550 000	1955
1956	---	419 ON MAY 22	1.27 B ON DEC 09	1 330 000	1956
1957	---	247 ON MAY 22	0.464 ON OCT 03	1 130 000	1957
1958	---	273 ON MAY 13	2.52 ON OCT 13	1 180 000	1958
1959	---	297 ON MAY 27	4.47 B ON DEC 31	1 600 000	1959
1960	---	274 ON MAY 14	0.541 ON OCT 08	995 000	1960
1961	---	462 ON MAY 26	0.106 ON SEP 09 *	1 050 000	1961
1962	---	207 ON JUN 15	1.48 ON OCT 25	879 000	1962
1963	---	725 ON JUL 01	0.900 ON OCT 26	1 140 000	1963
1964	---	623 ON JUN 09	3.28 ON AUG 27	1 400 000	1964
1965	---	595 ON JUN 19	0.793B ON DEC 27	1 590 000	1965
1966	---	309 ON JUN 06	2.66 B ON DEC 03	1 350 000	1966
1967	---	714 ON JUN 01	3.45 ON SEP 29	2 140 000	1967
1968	---	270 ON MAY 24	---	---	1968
1969	---	569 ON JUN 27	---	---	1969
				1 480 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	633	167	30.2	22.5	32.5	23.6	15.2	---	1964
1965	20.9	31.3	32.0	97.4	210	471	248	63.6	72.2	101	46.3	39.3	120	1965
1966	25.6	21.2	51.2	117	249	358	160	54.4	48.4	28.2	38.3	18.5	97.7	1966
1967	15.5	22.8	57.8	83.3	444	731	207	40.0	16.9	17.4	28.3	10.2	140	1967
1968	15.4	18.6	37.3	30.8	140	288	95.6	56.0	111	110	87.1	38.6	85.6	1968
1982	---	---	---	---	96.2	288	126	23.5	17.1	37.7	28.0	18.1	---	1982
1983	17.7	19.4	26.4	26.0	95.1	106	36.3	15.2	12.1	16.4	23.8	12.7	34.0	1983
1984	18.0	26.3	18.7	15.0	29.0	76.5	28.0	10.6	9.79	17.8	21.8	10.8	23.4	1984
1985	8.04	8.32	16.2	21.8	102	98.2	8.76	9.12	32.9	55.4	68.2	38.0	38.9	1985
1986	30.5	66.6	100	85.6	183	187	17.4	9.14	19.7	52.4	34.3	28.6	67.7	1986
1987	24.6	26.6	35.6	67.4	119	46.7	44.5	40.6	66.0	35.8	17.0	10.8	44.4	1987
1988	7.62	12.5	16.2	17.9	42.4	54.9	13.2	13.1	13.3	23.5	18.7	13.3	20.5	1988
1989	11.6	10.3	19.5	42.5	82.2	147	20.6	18.7	61.8	40.2	103	49.3	50.5	1989
1990	26.4	23.8	47.9	96.2	237	322	60.1	40.0	21.9	32.3	53.0	22.6	82.0	1990
MEAN	18.3	24.0	38.2	58.4	156	272	88.0	30.3	37.7	42.9	42.2	23.3	67.1	MEAN

LOCATION - LAT 49 55 08 N LONG 111 48 00 W DRAINAGE AREA, 27 500 km² REGULATED

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	1 840 ON JUN 11 *	---	---	1964
1965	---	892 ON JUN 20	11.7 B ON MAR 30	3 770 000	1965
1966	---	626 ON JUN 07	10.8 B ON DEC 05	3 080 000	1966
1967	---	1 070 ON JUN 02	6.80B ON DEC 16	4 410 000	1967
1968	---	430 ON JUN 10	10.3 B ON JAN 06	2 710 000	1968
1982	401 AT 13:55 MST ON JUN 19	372 ON JUN 17	---	---	1982
1983	271 AT 04:15 MST ON MAY 29	265 ON MAY 29	9.66 ON SEP 29	1 070 000	1983
1984	122 AT 15:05 MST ON JUN 02	107 ON JUN 02	6.44 ON AUG 31	741 000	1984
1985	218 AT 06:34 MST ON MAY 28	215 ON MAY 28	5.40B ON FEB 03	1 230 000	1985
1986	478 AT 16:30 MST ON MAY 30	468 ON MAY 30	4.60E ON JUL 31	2 140 000	1986
1987	248E AT 21:00 MST ON MAY 03	236A ON MAY 03	2.85B ON DEC 14 *	1 400 000	1987
1988	122 AT 13:50 MST ON JUN 10	113 ON JUN 11	5.70B ON JAN 10	649 000	1988
1989	329 AT 22:20 MST ON JUN 13	315 ON JUN 14	8.30B ON JAN 01	1 590 000	1989
1990	690 AT 03:05 MST ON JUN 01 *	683 ON JUN 01	8.80B ON DEC 25	2 590 000	1990
				2 120 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	---	---	3.68	3.01	2.79	---	1949
1950	1.37	1.38	1.63	5.34	35.8	54.8	21.1	6.92	3.95	4.15	4.70	4.35	12.2	1950
1951	2.93	2.20	3.59	12.1	69.7	64.5	42.7	15.0	28.5	17.8	9.47	6.07	23.0	1951
1952	3.95	4.12	6.50	26.3	29.6	32.1	16.9	10.2	6.01	5.03	4.91	4.45	12.1	1952
1953	4.08	4.02	1.89	9.16	49.7	116	29.7	9.03	5.40	5.83	4.03	2.61	19.6	1953
1954	1.76	3.15	4.87	5.32	54.8	62.2	28.1	9.34	8.69	9.96	6.22	4.66	16.6	1954
1955	3.63	2.89	2.98	21.4	25.8	52.6	29.3	7.40	4.46	6.29	4.32	2.56	13.6	1955
1956	4.27	4.25	5.80	10.0	54.8	39.9	35.3	10.0	5.51	4.25	3.16	3.77	14.6	1956
1957	2.88	2.94	3.22	6.07	52.2	30.4	10.1	5.46	3.82	3.33	2.86	2.56	10.5	1957
1958	2.63	2.26	2.91	5.44	45.8	32.2	30.8	8.72	5.28	4.28	3.19	2.73	12.2	1958
1959	2.92	2.48	2.98	8.02	45.7	65.4	20.5	7.25	8.29	7.55	5.86	5.23	15.2	1959
1960	2.90	2.94	6.39	15.6	31.2	39.2	12.0	6.68	3.80	3.21	2.28	2.14	10.7	1960
1961	1.83	2.51	2.38	3.03	48.0	48.7	10.2	6.35	5.37	8.84	5.25	2.77	12.1	1961
1962	2.67	2.60	4.33	15.6	26.6	32.6	10.4	5.18	3.77	3.39	3.20	2.49	9.27	1962
1963	3.10	3.09	1.97	4.36	22.5	48.0	56.6	8.88	5.64	4.27	3.19	2.27	13.7	1963
1964	2.14	1.97	2.24	4.47	49.3	68.5	17.8	6.29	5.06	4.41	4.58	2.56	14.1	1964
1965	2.30	2.80	3.19	8.14	24.6	61.3	26.3	9.34	10.1	9.12	6.96	3.38	14.0	1965
1966	2.14	2.51	5.35	9.29	42.1	50.9	18.0	6.91	4.88	4.64	2.63	2.73	12.7	1966
1967	2.90	2.82	2.54	3.42	57.2	106	26.7	7.11	4.24	3.60	2.55	2.04	18.4	1967
1968	2.72	2.55	3.19	4.11	30.1	46.7	18.8	8.61	8.71	9.81	4.96	3.90	12.0	1968
1969	2.62	3.16	2.77	17.9	43.0	59.2	31.5	7.17	4.56	4.27	3.21	1.65	15.1	1969
1970	1.94	1.72	2.12	3.69	33.6	49.8	12.6	4.72	4.22	3.67	1.73	2.08	10.2	1970
1971	1.80	2.50	1.94	8.16	52.9	54.0	14.8	6.31	4.42	4.99	4.67	2.90	13.3	1971
1972	2.42	2.04	5.38	8.25	91.0	91.2	26.7	15.7	11.1	8.01	5.02	3.19	21.7	1972
1973	2.80	2.87	3.37	4.25	29.6	32.9	9.86	5.35	4.34	3.58	2.52	2.52	8.60	1973
1974	2.35	2.23	3.44	11.6	55.4	98.2	23.7	10.0	5.91	4.79	2.55	2.35	18.6	1974
1975	2.29	2.20	1.97	3.03	36.4	83.4	31.5	11.1	6.23	5.60	4.92	4.20	16.1	1975
1976	3.55	2.45	2.45	10.2	43.7	24.6	13.3	45.2	10.4	5.74	4.52	2.76	14.1	1976
1977	1.89	2.77	2.96	7.47	14.1	13.1	5.29	6.46	6.28	4.86	3.26	2.66	5.93	1977
1978	1.95	1.62	7.78	7.27	43.0	54.4	29.7	10.1	6.79	5.47	3.63	3.28	14.7	1978
1979	2.20	2.00	3.15	5.30	37.9	30.1	9.57	5.89	4.05	2.90	2.01	1.72	8.94	1979
1980	1.92	2.05	1.51	13.7	32.5	34.0	8.62	6.91	6.51	5.58	4.18	4.60	10.2	1980
1981	4.03	2.93	3.47	8.62	68.0	54.0	23.1	11.1	5.66	4.53	3.33	2.55	16.0	1981
1982	1.26	1.50	2.03	5.27	23.2	50.8	16.6	5.60	5.00	4.82	2.20	2.18	10.0	1982
1983	1.96	2.17	3.10	5.54	23.0	21.7	10.4	4.98	3.76	3.06	2.80	0.995	6.98	1983
1984	1.93	1.74	2.07	4.25	13.6	28.4	10.1	4.33	3.19	2.88	2.13	1.71	6.35	1984
1985	1.58	1.42	1.82	6.02	23.0	23.2	6.05	4.51	11.0	9.55	6.47	4.16	8.25	1985
1986	2.64	2.79	5.88	13.9	52.4	39.5	9.71	5.51	5.71	7.69	4.42	2.96	12.8	1986
1987	2.16	1.97	2.99	11.7	28.5	11.4	12.1	10.9	5.28	3.65	3.13	2.13	8.06	1987
1988	1.40	1.44	1.81	6.48	19.4	23.5	6.16	4.01	3.21	3.16	2.56	1.63	6.22	1988
1989	1.58	1.39	1.55	7.62	30.6	35.1	9.88	5.50	6.79	5.37	6.85	3.91	9.70	1989
1990	2.72	2.18	2.32	13.0	68.5	61.4	22.8	12.8	5.88	6.55	7.51	4.16	17.5	1990
MEAN	2.40	2.36	3.09	8.80	40.2	49.4	19.6	8.75	6.38	5.50	4.02	2.96	12.8	MEAN

LOCATION - LAT 49 48 50 N LONG 114 11 00 W DRAINAGE AREA, 1 440 km^2 NATURAL FLOW

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	---	---	---	1949
1950	79.6 AT 01:00 MST ON MAY 28	72.8 ON MAY 28	1.10 B ON JAN 18	383 000	1950
1951	137 AT 15:00 MST ON JUN 15	125 ON JUN 15	1.30 B ON MAR 10	725 000	1951
1952	71.4 AT 14:30 MST ON JUN 12	51.0 ON APR 27	1.81 B ON DEC 24	382 000	1952
1953	453 AT 23:00 MST ON JUN 08 *	337 ON JUN 09 *	1.44 B ON MAR 21	619 000	1953
1954	149 AT 23:00 MST ON MAY 19	127 ON MAY 20	1.30 B ON JAN 22	525 000	1954
1955	99.1 AT 01:00 MST ON MAY 20	74.5 ON MAY 20	2.24 B ON DEC 23	430 000	1955
1956	149 AT 01:00 MST ON MAY 21	136 ON MAY 21	1.47 B ON NOV 07	461 000	1956
1957	77.6 AT 23:00 MST ON MAY 05	71.4 ON MAY 07	1.16 B ON JAN 23	333 000	1957
1958	79.9 AT 21:00 MST ON MAY 12	66.8 ON MAY 12	1.59 B ON MAR 02	384 000	1958
1959	110 AT 01:00 MST ON JUN 06	103 ON JUN 05	2.21 B ON FEB 08	480 000	1959
1960	84.1 AT 01:00 MST ON MAY 13	74.2 ON MAY 12	1.42 B ON DEC 06	338 000	1960
1961	177 AT 07:00 MST ON MAY 27	162 ON MAY 27	1.19 B ON MAR 15	383 000	1961
1962	51.0 AT 02:00 MST ON MAY 20	49.3 ON MAY 20	1.54 B ON DEC 23	292 000	1962
1963	212 E ON JUN 30	198 E ON JUN 30	1.48 B ON MAR 13	433 000	1963
1964	140 AT 12:00 MST ON JUN 08	131 ON JUN 08	1.46 B ON FEB 05	446 000	1964
1965	173 AT 06:00 MST ON JUN 18	155 ON JUN 18	1.22 B ON JAN 23	440 000	1965
1966	100 AT 01:00 MST ON JUN 05	94.6 ON JUN 05	2.07 B ON JAN 01	400 000	1966
1967	286 AT 22:00 MST ON MAY 30	242 ON MAY 31	1.56 B ON NOV 17	581 000	1967
1968	92.0 AT 03:14 MST ON MAY 23	84.1 ON MAY 23	1.55 B ON DEC 31	380 000	1968
1969	140 AT 02:13 MST ON JUN 26	129 ON JUN 26	1.36 B ON DEC 07	476 000	1969
1970	104 AT 22:25 MST ON JUN 13	91.5 ON JUN 14	1.05 B ON NOV 21	321 000	1970
1971	106 AT 23:00 MST ON JUN 06	102 ON JUN 06	1.46 B ON MAR 18	420 000	1971
1972	245 AT 01:15 MST ON JUN 01	217 ON JUN 01	1.96 B ON FEB 27	687 000	1972
1973	74.8 AT 01:00 MST ON MAY 18	63.4 ON MAY 18	1.61 B ON MAR 14	271 000	1973
1974	174 AT 04:00 MST ON JUN 17	162 ON JUN 17	1.29 B ON JAN 03	585 000	1974
1975	368 AT 04:30 MST ON JUN 20	286 ON JUN 20	1.65 B ON MAR 25	508 000	1975
1976	250 AT 00:50 MST ON AUG 06	173 ON AUG 06	1.54 B ON MAR 12	447 000	1976
1977	28.6 AT 10:15 MST ON MAY 11	25.4 ON MAY 11	1.35 B ON JAN 02	187 000	1977
1978	113 AT 01:30 MST ON JUN 06	102 ON JUN 06	1.50 B ON FEB 13	462 000	1978
1979	109 AT 01:30 MST ON MAY 27	94.0 ON MAY 27	1.28 B ON DEC 14	282 000	1979
1980	67.0 ON MAY 26	62.0E ON MAY 26	1.21 B ON MAR 06	322 000	1980
1981	221 AT 02:10 MST ON MAY 26	182 ON MAY 26	0.700B ON DEC 31	506 000	1981
1982	78.4 AT 00:17 MST ON JUN 16	71.6 ON JUN 16	0.495B ON JAN 05 *	317 000	1982
1983	48.1 AT 03:39 MST ON MAY 27	44.1 ON MAY 26	0.800B ON DEC 23	220 000	1983
1984	48.6 AT 03:20 MST ON MAY 31	39.6 ON MAY 31	0.700B ON NOV 26	201 000	1984
1985	70.7 AT 03:05 MST ON JUN 08	57.0 ON JUN 08	1.25 B ON FEB 10	260 000	1985
1986	154 AT 23:35 MST ON MAY 28	138 ON MAY 28	1.50 B ON FEB 20	404 000	1986
1987	53.1 AT 00:30 MST ON MAY 02	50.2 ON MAY 01	1.00 B ON FEB 28	254 000	1987
1988	59.6 AT 07:45 MST ON JUN 08	54.2 ON JUN 08	1.12 B ON NOV 27	197 000	1988
1989	59.8 AT 00:55 MST ON JUN 07	58.0E ON MAY 08	1.17 B ON DEC 12	306 000	1989
1990	243 AT 10:35 MST ON MAY 26	227 ON MAY 26	1.79 B ON FEB 27	554 000	1990
				405 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.32	5.00	2.90	2.19	---	---	---	1951
1952	---	---	---	---	---	4.27	7.35	2.89	1.41	1.32	---	---	---	1952
1953	---	---	---	---	3.99	11.9	3.52	3.44	1.40	1.45	---	---	---	1953
1954	---	---	---	---	---	---	2.94	4.20	1.99	2.19	---	---	---	1954
1955	---	---	---	---	0.223	1.75	3.40	2.73	1.00	1.80	---	---	---	1955
1956	---	---	---	---	0.607	2.39	3.34	3.03	1.96	1.93	---	---	---	1956
1957	---	---	---	---	0.764	2.92	2.99	2.56	0.950	1.85	---	---	---	1957
1958	---	---	---	---	0.791	3.58	2.83	2.19	0.806	1.59	---	---	---	1958
1959	---	---	---	---	0.455	2.83	2.64	2.09	0.991	1.42	---	---	---	1959
1960	---	---	---	---	0.226	2.38	3.54	2.85	1.87	1.47	---	---	---	1960
1961	---	---	---	---	0.782	2.42	3.19	2.65	1.17	2.41	---	---	---	1961
1962	---	---	---	---	0.511	3.84	3.68	3.23	0.960	1.59	---	---	---	1962
1963	---	---	---	---	1.24	3.94	3.33	3.38	1.06	1.50	---	---	---	1963
1964	---	---	---	---	0.749	3.56	2.95	3.01	1.66	2.48	---	---	---	1964
1965	---	---	---	---	0.546	3.40	2.10	3.60	1.36	1.67	---	---	---	1965
1966	---	---	---	---	0.617	2.54	3.63	1.96	1.08	1.52	---	---	---	1966
1967	---	---	---	---	1.86	1.54	2.84	2.73	2.33	2.36	---	---	---	1967
1968	---	---	---	---	1.16	2.35	3.24	2.36	1.20	2.08	---	---	---	1968
1969	---	---	---	---	0.577	2.83	2.63	3.16	1.48	2.10	---	---	---	1969
1970	---	---	---	---	0.873	3.86	3.23	2.65	2.92	1.09	---	---	---	1970
1971	---	---	---	---	0.975	2.93	3.16	3.81	2.30	1.79	---	---	---	1971
1972	---	---	1.42	0.461	0.962	3.79	3.76	3.90	2.93	1.62	---	---	2.35	1972
1973	---	---	0.553	0.210	1.22	4.32	---	---	1.97	1.41	---	---	---	1973
1974	---	---	0.191	2.38	0.250	2.85	4.37	5.70	2.75	2.42	---	---	2.61	1974
1975	---	---	---	---	1.54	1.53	2.33	3.81	2.03	1.47	---	---	---	1975
1976	---	---	---	---	1.07	4.91	3.92	3.50	1.84	1.63	---	---	---	1976
1977	---	---	---	---	1.07	2.04	2.20	2.32	1.06	1.52	---	---	---	1977
1978	---	---	0.838	0.918	0.146	1.71	2.08	3.09	1.25	1.42	---	---	1.43	1978
1979	---	---	0.674	0.367	0.151	2.41	2.62	3.10	1.95	0.905	---	---	1.52	1979
1980	---	---	0.542	0.870	2.46	3.32	3.40	2.99	2.72	2.11	---	---	2.30	1980
1981	---	---	0.659	0.349	0.675	3.05	3.46	3.14	2.97	2.83	---	---	2.14	1981
1982	---	---	0.483	0.588	0.613	2.94	3.26	3.44	2.65	2.72	---	---	2.09	1982
1983	---	---	0.476	0.214	0.667	3.18	3.76	2.85	1.84	1.44	0.303	---	1.80	1983
1984	---	---	0.110	0.126	1.47	2.81	3.01	2.46	1.21	1.01	0.084	---	1.53	1984
1985	---	---	1.03	0.649	1.13	3.54	3.41	2.93	1.00	0.801	---	---	1.81	1985
1986	---	---	0.223	0.099	0.911	3.70	3.58	3.09	2.22	0.740	0.148	---	1.70	1986
1987	---	---	0.208	0.128	1.47	2.43	2.85	2.90	1.91	1.42	0.174	---	1.67	1987
1988	---	---	0.108	0.215	1.77	2.52	2.42	2.69	1.53	1.13	---	---	1.55	1988
1989	---	---	0.090	0.511	1.67	2.81	2.23	2.74	2.31	1.27	---	---	1.70	1989
1990	---	---	0.510	0.204	1.81	2.39	3.01	2.78	2.39	1.56	---	---	1.83	1990
MEAN	---	---	0.507	0.518	1.03	3.17	3.17	3.10	1.78	1.68	0.177	---	1.87	MEAN

LOCATION - LAT 50 44 00 N DRAINAGE AREA, 496 km²
LONG 111 41 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971, 1972 AND 1974

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	7.90 ON JUL 16	---	---	1952
1953	---	61.4 E ON JUN 03 *	---	---	1953
1954	---	---	---	---	1954
1955	---	4.84 ON JUL 08	---	---	1955
1956	---	18.4 ON AUG 03	---	---	1956
1957	---	4.98 ON JUN 15	---	---	1957
1958	---	7.76 ON JUN 29	---	---	1958
1959	---	9.15 ON JUN 27	---	---	1959
1960	---	5.97 ON JUL 03	---	---	1960
1961	---	8.01 ON JUL 29	---	---	1961
1962	---	7.31 ON JUN 15	---	---	1962
1963	---	11.4 ON JUN 22	---	---	1963
1964	---	8.64 ON JUN 16	---	---	1964
1965	---	8.21 ON JUN 26	---	---	1965
1966	---	5.64 ON JUL 26	---	---	1966
1967	---	4.76 ON AUG 08	---	---	1967
1968	---	5.78 ON JUL 21	---	---	1968
1969	---	8.38 ON JUN 29	---	---	1969
1970	---	12.8 ON JUN 17	---	---	1970
1971	---	13.8 A ON APR 09	---	---	1971
1972	---	6.26B ON MAR 21	0 B ON MAR 01 *	49 800	1972
1973	---	20.3 ON JUN 16	0 B ON MAR 01	---	1973
1974	16.0 B AT 17:20 MST ON APR 11	15.2 B ON APR 11	0 B ON MAR 01	55 300	1974
1975	12.0 AT 20:00 MST ON MAY 24	6.74 ON JUN 20	---	---	1975
1976	7.22 AT 01:00 MST ON AUG 04	6.97 ON AUG 04	---	---	1976
1977	---	3.43 ON AUG 18	---	---	1977
1978	6.29 AT 16:50 MST ON AUG 23	5.47 ON AUG 23	0 B ON MAR 01	30 300	1978
1979	---	5.75 ON AUG 06	0 B ON MAR 01	32 200	1979
1980	13.4 AT 05:00 MST ON MAY 26	12.1 ON MAY 26	0 B ON MAR 01	48 700	1980
1981	8.70 AT 04:10 MST ON JUN 14	7.63 ON JUN 14	0 B ON MAR 10	45 300	1981
1982	10.8 AT 07:29 MST ON JUL 02	10.1 ON JUL 02	0 B ON MAR 01	44 200	1982
1983	---	7.49 ON JUL 08	0.076A ON MAY 03	38 200	1983
1984	10.4 AT 02:53 MST ON JUL 31	8.55 ON JUL 31	0.008 ON APR 27	32 300	1984
1985	---	4.68 ON JUL 18	0 B ON MAR 01	38 400	1985
1986	15.3 AT 00:12 MST ON SEP 26	12.7 ON SEP 26	0.051B ON MAR 08	35 900	1986
1987	6.95 AT 03:27 MST ON AUG 15	6.63 ON AUG 15	0.041B ON MAR 02	35 300	1987
1988	18.8 AT 03:02 MST ON JUN 09 *	13.0 ON JUN 09	0.015B ON MAR 01	37 800	1988
1989	5.39 AT 12:57 MST ON JUN 27	4.60 ON JUN 27	0 B ON MAR 01	36 000	1989
1990	5.71 AT 21:27 MST ON MAY 25	5.39 ON MAY 25	0.054A ON MAY 03	38 800	1990
				39 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	0.699	0.630	0.491	0.080	0.043	0.043	---	---	0.331	1966
1967	---	---	---	---	0.066	0.830	1.38	0.466	0.086	0.044	---	---	0.480	1967
1968	---	---	---	---	0.724	0.727	0.753	0.306	0.167	0.143	---	---	0.470	1968
1969	---	---	---	---	0.683	1.22	0.637	0.507	0.139	0.096	---	---	0.545	1969
1970	---	---	---	---	1.29	0.708	0.168	0.162	0.079	0.069	---	---	0.413	1970
1971	---	---	---	---	0.460	0.852	0.924	0.269	0.013	0.087	---	---	0.434	1971
1972	---	---	---	---	0.953	0.848	0.882	0.312	0.017	0.003	---	---	0.503	1972
1973	---	---	---	---	0.864	0.481	1.16	0.324	0.092	0.064	---	---	0.500	1973
MEAN	---	---	---	---	0.717	0.787	0.799	0.303	0.080	0.069	---	---	0.460	MEAN

LOCATION - LAT 50 31 42 N
LONG 111 52 07 W REGULATED

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	2.42 ON MAY 31	0 E ON MAY 01 *	5 260	1966
1967	---	2.10 ON JUL 13	0 E ON MAY 01	7 630	1967
1968	---	1.61 ON JUL 13	0.010 ON AUG 31	7 480	1968
1969	---	2.30 ON JUN 13	0.005 ON SEP 25	8 670	1969
1970	---	3.96 ON MAY 26 *	0 ON MAY 04	6 560	1970
1971	---	1.84 ON JUN 03	0 ON MAY 01	6 900	1971
1972	---	1.53 ON MAY 27	0 ON MAY 01	8 000	1972
1973	---	1.77 ON JUN 08	0 ON MAY 01	7 950	1973
				7 310	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTAUWAU RIVER NEAR SLAVE LAKE - STATION NO. 07BK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	---	---	0.294	---	---	---	1922
MEAN	---	---	---	---	---	---	---	---	---	0.294	---	---	---	* MEAN

LOCATION - LAT 55 16 30 N DRAINAGE AREA, 515 km^2
LONG 114 24 35 W NATURAL FLOW

OTAUWAU RIVER NEAR SLAVE LAKE - STATION NO. 07BK004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	---	---	1922
				---	MEAN

OWL RIVER BELOW PICHE RIVER - STATION NO. 07CA013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	1.67	6.08	7.27	9.91	9.19	4.15	4.89	5.13	---	---	6.03	1984
1985	---	---	1.60	6.72	25.7	12.1	6.18	2.53	1.65	2.10	---	---	7.33	1985
1986	---	---	1.36	5.04	6.30	5.08	10.2	11.9	3.66	2.50	---	---	5.77	1986
1987	---	---	1.34	7.97	9.06	5.41	3.84	2.50	1.49	1.23	---	---	4.34	1987
1988	---	---	0.851	4.23	5.21	5.50	6.29	2.61	1.44	1.56	---	---	3.46	1988
1989	---	---	0.644	3.84	6.35	9.74	8.24	5.70	6.53	5.50	---	---	5.81	1989
1990	---	---	2.06	7.82	20.4	11.5	6.67	---	---	---	---	---	---	1990
MEAN	---	---	1.36	5.96	11.5	8.75	7.23	4.90	3.28	3.00	---	---	5.46	MEAN

LOCATION - LAT 55 00 39 N LONG 111 51 16 W
DRAINAGE AREA, 3 080 km²
NATURAL FLOW

OWL RIVER BELOW PICHE RIVER - STATION NO. 07CA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	20.0 E ON JUN 06	1.49 B ON MAR 21	128 000	1984
1985	40.2 AT 12:22 MST ON MAY 14 *	38.8 ON MAY 14 *	1.40 ON SEP 02	155 000	1985
1986	21.1 AT 03:39 MST ON JUL 25	20.9 ON JUL 25	1.06 B ON MAR 05	122 000	1986
1987	18.0 AT 09:27 MST ON APR 20	14.8 B ON APR 20	0.793B ON OCT 20	91 800	1987
1988	10.7 AT 08:19 MST ON APR 18	8.23B ON APR 18	0.620B ON MAR 04	73 200	1988
1989	11.6 AT 10:42 MST ON JUL 10	11.4 ON JUN 24	0.527B ON MAR 17 *	123 000	1989
1990	25.0 AT 20:16 MST ON MAY 12	23.6 A ON MAY 14	---	---	1990
				116 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.68	0.354	0.935	---	---	---	1972
1973	---	---	0.615	8.72	7.30	7.59	3.88	2.65	2.07	3.28	---	---	4.49	1973
1974	---	---	0.203	97.7	49.4	4.48	16.7	2.10	0.815	0.630	---	---	21.3	1974
1975	---	---	0.175	13.0	8.19	2.59	8.74	3.50	4.73	0.776	---	---	5.19	1975
1976	---	---	1.76	16.2	2.42	1.77	2.03	2.83	3.37	0.635	---	---	3.84	1976
1977	---	---	0.780	12.9	17.2	19.9	9.44	6.79	3.09	2.62	---	---	9.05	1977
1978	---	---	5.14	13.1	6.07	6.15	8.86	2.21	9.83	2.17	---	---	6.65	1978
1979	---	---	10.6	23.0	22.3	14.6	25.2	2.97	0.604	0.506	---	---	12.5	1979
1980	---	---	0.284	22.5	3.05	22.1	5.86	4.11	3.63	1.50	---	---	7.78	1980
1981	---	---	8.37	11.6	4.59	6.43	1.60	1.98	0.195	0.196	---	---	4.34	1981
1982	---	---	0.069	23.5	18.8	1.29	9.68	1.80	1.67	0.595	---	---	7.16	1982
1983	---	---	0.143	9.18	1.62	3.51	12.3	0.314	0.100	0.259	---	---	3.29	1983
1984	---	---	1.51	2.51	1.87	5.97	0.540	0.124	1.27	1.44	---	---	1.89	1984
1985	---	---	3.86	16.3	4.17	8.51	2.87	1.08	4.88	1.59	---	---	5.35	1985
1986	---	---	12.9	19.6	10.9	4.22	13.9	1.58	2.48	3.29	---	---	8.61	1986
1987	---	---	0.036	9.06	1.35	0.911	0.358	0.411	0.156	0.098	---	---	1.53	1987
1988	---	---	0.212	0.345	0.188	2.18	12.9	0.535	0.364	0.128	---	---	2.12	1988
1989	---	---	0.143	9.52	5.58	3.21	11.1	36.6	4.72	1.03	---	---	9.03	1989
1990	---	---	6.03	4.89	4.03	6.37	12.7	0.104	0.094	0.129	---	---	4.30	1990
MEAN	---	---	2.94	17.4	9.39	6.77	8.81	3.86	2.34	1.15	---	---	6.58	MEAN

LOCATION - LAT 54 06 45 N LONG 114 23 55 W
DRAINAGE AREA, 2 380 km²
REGULATED SINCE 1984

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	23.9 AT 19:00 MST ON JUN 30	23.8 ON JUN 30	0.170B ON MAR 01	95 100	1973
1974	365 AT 22:30 MST ON APR 21 *	351 ON APR 21 *	0.142B ON MAR 17	452 000	1974
1975	---	---	---	---	
1976	28.3 AT 22:00 MST ON APR 08	38.2B ON APR 20	0.113B ON MAR 22	110 000	1975
1977	68.0 AT 13:00 MST ON JUN 04	28.2 ON APR 09	0.079 ON JUL 30	81 300	1976
1978	45.9B AT 15:40 MST ON APR 04	67.7 ON JUN 04	0.187 ON JUL 03	192 000	1977
1979	64.0 AT 04:25 MST ON APR 30	37.7 ON JUL 16	0.110B ON MAR 01	141 000	1978
1980	48.6 AT 20:15 MST ON JUN 29	63.6 ON APR 30	0.115B ON MAR 04	264 000	1979
1981	42.4 AT 16:40 MST ON JUN 03	48.4 ON JUN 29	0.084B ON MAR 02	165 000	1980
1982	95.6 AT 14:25 MST ON APR 23	40.5 ON JUN 03	0.052 ON SEP 24	91 900	1981
1983	48.0 AT 18:25 MST ON JUL 11	82.2 ON APR 26	0.060B ON MAR 01	152 000	1982
1984	26.9 AT 18:45 MST ON JUN 10	46.6 ON JUL 11	0.023 ON AUG 16	69 700	1983
1985	57.2 AT 16:15 MST ON JUN 27	24.1 ON JUN 10	0.025 ON AUG 16	40 000	1984
1986	69.0 AT 03:07 MST ON JUL 22	55.9 ON JUN 27	0.103 ON JUN 18	113 000	1985
1987	---	66.0 ON JUL 21	0.205 ON AUG 17	182 000	1986
1988	42.8 AT 03:40 MST ON JUL 09	32.4B ON APR 04	0.004 ON JUL 18 *	32 300	1987
1989	67.7 AT 21:30 MST ON AUG 07	39.4 ON JUL 09	0.006B ON MAR 01	44 900	1988
1990	43.6 AT 06:20 MST ON JUL 08	67.1 ON AUG 07	0.110B ON MAR 01	191 000	1989
		43.1 ON JUL 07	0.050 ON AUG 28	91 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		139 000	MEAN

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.183	2.83	0.769	7.15	1.35	1.10	0.315	0.297	---	---	1.73	1980
1981	---	---	0.907	1.57	1.83	3.00	0.612	0.339	0.093	0.112	---	---	1.05	1981
1982	---	---	0.069	2.49	2.21	0.822	3.89	0.965	0.683	0.475	---	---	1.45	1982
1983	---	---	0.082	1.50	0.644	1.44	3.58	0.061	0.098	0.309	---	---	0.963	1983
1984	---	---	0.301	0.782	1.43	2.05	0.202	0.205	1.03	0.499	---	---	0.807	1984
1985	---	---	1.05	3.44	1.03	2.78	0.369	0.330	3.52	0.823	---	---	1.65	1985
1986	---	---	1.14	3.59	2.51	1.09	4.71	0.197	0.496	0.778	---	---	1.81	1986
1987	---	---	0.328	1.31	1.10	0.349	0.046	0.325	0.153	0.158	---	---	0.470	1987
1988	---	---	0.199	0.307	0.190	1.07	2.87	0.312	0.174	0.178	---	---	0.663	1988
1989	---	---	0.062	2.10	1.96	1.70	---	---	---	---	---	---	---	1989
1990	---	---	0.885	1.62	1.48	2.17	3.60	0.135	0.262	0.222	---	---	1.30	1990
MEAN	---	---	0.473	1.96	1.38	2.15	2.12	0.397	0.682	0.385	---	---	1.19	MEAN

LOCATION - LAT 53 51 29 N LONG 115 21 45 W DRAINAGE AREA, 261 km^2 NATURAL FLOW

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	25.8 AT 05:50 MST ON JUN 17	20.6 ON JUN 25	0.089 ON SEP 27	36 600	1980
1981	34.2 AT 09:20 MST ON JUN 01	31.7 ON JUN 01	0.014 ON SEP 13	22 300	1981
1982	20.6 AT 16:25 MST ON JUL 15	17.1 ON JUL 05	0.032B ON MAR 01	30 700	1982
1983	22.0 AT 08:00 MST ON JUL 09	19.9 ON JUL 09	0.029 ON AUG 29	20 400	1983
1984	17.1 AT 20:50 MST ON JUN 08	15.0 ON JUN 08	0.078B ON MAR 15	17 100	1984
1985	32.7 AT 05:20 MST ON JUN 25	29.0 ON JUN 25	0.138 ON JUL 07	34 900	1985
1986	110 ON JUL 18	46.6 A ON JUL 18	0.064 ON AUG 25	38 400	1986
1987	---	3.32B ON MAR 31	0.004 ON JUL 20 *	9 940	1987
1988	47.7 AT 08:20 MST ON JUL 07	36.2 A ON JUL 07	0.106 ON SEP 09	14 000	1988
1989	300 E ON AUG 02 *	---	0.056B ON MAR 14	---	1989
1990	71.2 AT 03:21 MST ON JUL 04	46.8 ON JUL 04 *	0.080 ON AUG 12	27 500	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		25 200	MEAN

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.145	16.7	3.74	0.532	0.734	0.025	0.010	0.026	---	---	2.70	1963
1964	---	---	0.228	2.54	2.04	0.297	0.927	1.23	1.78	0.796	---	---	1.23	1964
1965	---	---	0.116	17.2	8.85	19.3	7.11	0.501	0.999	0.529	---	---	6.76	1965
1966	---	---	1.31	10.0	2.71	0.954	0.578	0.507	0.317	0.296	---	---	2.07	1966
1967	---	---	0.031	3.48	4.54	1.46	0.057	0.027	0.003	0.006	---	---	1.20	1967
1968	---	---	2.44	0.985	1.54	0.287	0.035	0.257	0.126	0.129	---	---	0.728	1968
1969	---	---	0.085	10.7	1.70	0.430	0.508	1.94	2.79	1.10	---	---	2.37	1969
1970	---	---	0.410	6.00	1.65	0.575	4.24	0.987	0.123	0.189	---	---	1.77	1970
1971	---	---	0.208	13.1	2.11	9.11	20.0	0.583	0.321	0.383	---	---	5.71	1971
1972	---	---	1.14	8.54	7.05	7.44	0.860	0.424	0.147	---	---	---	---	1972
1973	---	---	0.802	4.12	3.74	4.48	0.937	1.51	1.12	0.902	---	---	2.19	1973
1974	---	---	0.121	28.1	10.2	0.985	6.98	0.266	0.399	0.481	---	---	5.90	1974
1975	---	---	0.127	4.20	3.68	3.87	2.22	2.08	0.998	0.304	---	---	2.17	1975
1976	---	---	0.592	5.75	0.849	0.800	0.500	1.37	1.09	0.253	---	---	1.39	1976
1977	---	---	0.173	5.38	14.7	2.97	3.59	1.29	1.95	1.23	---	---	3.91	1977
1978	---	---	2.88	3.92	3.46	3.24	5.45	1.26	5.01	0.994	---	---	3.27	1978
1979	---	---	2.99	7.77	7.45	6.51	7.74	0.415	0.273	0.567	---	---	4.21	1979
1980	---	---	0.106	6.62	1.23	14.9	2.36	2.09	1.73	0.585	---	---	3.66	1980
1981	---	---	3.60	2.44	2.53	5.29	1.75	0.916	0.161	0.231	---	---	2.11	1981
1982	---	---	0.122	9.06	4.70	0.249	5.99	1.21	1.00	0.378	---	---	2.83	1982
1983	---	---	0.088	3.42	1.06	2.98	6.85	0.125	0.081	0.314	---	---	1.89	1983
1984	---	---	0.814	1.09	1.51	3.02	0.127	0.022	1.24	1.03	---	---	1.10	1984
1985	---	---	1.28	5.05	1.96	4.32	1.27	0.420	2.95	0.368	---	---	2.18	1985
1986	---	---	1.79	6.74	4.74	3.82	7.58	1.32	1.57	2.40	---	---	3.74	1986
1987	---	---	0.006	0.179	0.031	0.631	0.489	0.122	0.091	0.195	---	---	0.217	1987
1988	---	---	0.013	0.001	0.068	1.31	7.32	0.144	0.151	0.069	---	---	1.14	1988
1989	---	---	0.217	5.01	2.32	1.77	4.96	19.2	2.74	0.509	---	---	4.61	1989
1990	---	---	2.84	2.50	2.06	4.14	7.12	0.069	0.089	0.068	---	---	2.36	1990
MEAN	---	---	0.881	6.81	3.65	3.77	3.87	1.45	1.04	0.531	---	---	2.72	MEAN

LOCATION - LAT 53 53 44 N DRAINAGE AREA, 625 km²
LONG 115 02 27 W REGULATED SINCE 1984

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	54.7 ON APR 16	50.7 ON APR 16	0.006 ON SEP 09	57 100	1963
1964	---	14.0 ON MAY 07	0.042 ON JUL 13	26 000	1964
1965	---	122 ON JUN 28 *	0.014B ON MAR 11	143 000	1965
1966	---	30.6 B ON APR 02	0.057B ON MAR 01	43 800	1966
1967	---	9.03 ON MAY 08	0 ON SEP 17 *	25 300	1967
1968	---	11.8 ON MAY 07	0.008 ON JUL 17	15 400	1968
1969	---	39.6 B ON APR 11	0 ON JUL 22	50 200	1969
1970	---	20.1 ON JUL 19	0 B ON MAR 01	37 400	1970
1971	76.5 AT 09:00 MST ON JUL 12	73.6 ON JUL 12	0.170 ON SEP 07	121 000	1971
1972	---	36.8 ON JUN 26	---	---	1972
1973	---	31.1 A ON JUN 25	0.204 ON AUG 02	46 300	1973
1974	91.7A AT 00:00 MST ON APR 19 *	88.1 A ON APR 19	0.088 ON AUG 18	125 000	1974
1975	40.8 AT 22:00 MST ON JUN 29	37.1 ON JUN 29	0.127B ON MAR 01	46 000	1975
1976	---	13.5 B ON APR 07	0.085B ON MAR 01	29 400	1976
1977	83.0 AT 23:45 MST ON MAY 29	75.3 ON MAY 30	0.159B ON MAR 01	82 800	1977
1978	82.1 AT 11:00 MST ON JUL 11	66.0 ON JUL 11	0.181B ON MAR 01	69 100	1978
1979	38.9 AT 04:25 MST ON APR 25	35.7 ON APR 25	0.060 ON SEP 26	89 100	1979
1980	45.4 AT 12:55 MST ON JUN 18	42.5 ON JUN 18	0.025B ON MAR 01	77 400	1980
1981	43.8 AT 04:30 MST ON JUN 02	38.0 ON JUN 02	0.049 ON SEP 19	44 600	1981
1982	---	36.9 ON APR 25	0 ON OCT 16	59 900	1982
1983	27.9 AT 05:20 MST ON JUL 10	27.6 ON JUL 10	0.019 ON AUG 26	39 900	1983
1984	17.9 AT 01:45 MST ON JUN 10	14.1 ON JUN 10	0 B ON MAR 01	23 200	1984
1985	32.4 AT 07:55 MST ON JUN 26	31.0 ON JUN 26	0 ON MAY 18	46 100	1985
1986	47.8 AT 20:09 MST ON JUL 19	42.0 ON JUL 20	0 ON JUL 05	79 200	1986
1987	13.4 AT 12:36 MST ON MAY 28	2.66B ON APR 01	0 B ON MAR 01	4 590	1987
1988	17.6 AT 14:52 MST ON JUL 14	17.3 ON JUL 15	0 B ON MAR 03	24 200	1988
1989	44.8 AT 04:04 MST ON AUG 05	41.3 ON AUG 05	0.175B ON MAR 02	97 600	1989
1990	30.0 AT 16:52 MST ON JUL 06	26.7 ON JUL 06	0.056 ON JUL 26	50 000	1990
				57 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05FC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	---	0	---	---	---	1981
1982	---	---	0.007	0.864	0.024	0.004	0.233	0.011	0.003	0.004	---	---	0.142	1982
1983	---	---	0.502	0.037	0.011	0.849	1.32	0	0	0	---	---	0.341	1983
1984	---	---	0.161	0.011	0	0.013	0	0	0.468	0.174	---	---	0.103	1984
1985	---	---	1.87	0.955	0.078	0.021	0.002	0.027	0.001	0	---	---	0.370	1985
1986	---	---	0.564	0.049	0.003	0	0.233	0.027	0.005	0.029	---	---	0.115	1986
1987	---	---	0.013	0.396	0.001	0	0.004	0.003	0.082	0	---	---	0.061	1987
1988	---	---	0.004	0.438	0.003	0.134	0.010	0.027	0.004	0	---	---	0.076	1988
1989	---	---	0.060	0.356	0	0.001	0.156	0.002	0.001	0	---	---	0.071	1989
1990	---	---	1.41	0.109	0.008	0.571	2.11	0.009	0.003	0.001	---	---	0.530	1990
MEAN	---	---	0.510	0.357	0.014	0.177	0.452	0.012	0.063	0.021	---	---	0.201	MEAN

LOCATION - LAT 52 23 00 N LONG 112 08 00 W DRAINAGE AREA, 190 km² NATURAL FLOW

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05FC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	7.45 AT 10:02 MST ON APR 15	6.05 ON APR 15	0B ON MAR 01 *	3 000	1982
1983	12.2 AT 02:15 MST ON JUL 04	11.3 ON JUL 03	0 ON MAY 05	7 210	1983
1984	3.76 AT 21:27 MST ON SEP 22	3.13 ON SEP 22	0B ON MAR 01	2 170	1984
1985	---	9.83B ON MAR 20	0B ON MAR 01	7 830	1985
1986	---	2.33B ON MAR 02	0 ON MAY 27	2 440	1986
1987	---	1.55B ON APR 03	0B ON MAR 01	1 290	1987
1988	4.81 AT 07:09 MST ON APR 08	2.98 ON APR 08	0 ON MAY 11	1 610	1988
1989	2.31B AT 07:59 MST ON APR 02	1.94B ON APR 02	0B ON MAR 01	1 510	1989
1990	21.2 AT 23:49 MST ON JUL 07 *	15.7 ON JUL 08 *	0B ON MAR 01	11 200	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 250	MEAN

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO. 05AH038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.332	1.01	0.090	---	---	---	---	---	---	---	---	1921
1922	---	---	0.479	2.28	0.113	0	0	0	---	---	---	---	---	1922
1923	---	---	0.105	0.041	0	0.177	0.018	0.016	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0.009	0	0	---	---	0.001	1924
1925	---	0.021	0.797	0.617	0.017	0.013	---	---	---	---	---	---	---	1925
1926	---	0	0.071	0	---	---	---	---	---	---	---	---	---	1926
1927	---	0	0.147	1.05	0.723	0.145	0.022	0.101	0	0	---	---	0.272	1927
1928	---	---	1.60	0.075	0	0.169	0.805	0	0	0	---	---	0.334	1928
1929	---	0	0.399	0.193	0.095	0.016	---	---	---	---	---	---	---	1929
1930	---	0.417	0	0	0	---	---	---	---	---	---	---	---	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.484	---	0	0	---	---	---	---	---	---	---	1936
MEAN	---	0.063	0.368	0.479	0.104	0.065	0.169	0.025	0	0	---	---	0.202	MEAN

LOCATION - LAT 49 50 00 N LONG 110 51 00 W DRAINAGE AREA, 224 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO. 05AH038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	6.43 ON APR 14	0B ON MAR 10 *	---	1921
1922	---	8.10 ON APR 03 *	0B ON MAR 01	---	1922
1923	---	2.29 ON JUN 22	0B ON MAR 01	---	1923
1924	---	0.210 ON AUG 23	0 ON MAR 01	24.5	1924
1925	---	5.52 ON MAR 29	0B ON MAR 01	---	1925
1926	---	0.617B ON MAR 04	0B ON MAR 01	---	1926
1927	---	4.59 ON MAY 29	0B ON MAR 01	5 760	1927
1928	---	6.12 ON MAR 21	0B ON MAR 01	7 080	1928
1929	---	1.01 B ON MAR 20	0B ON MAR 01	---	1929
1930	---	0.006B ON MAR 03	0B ON MAR 01	---	1930
1931	---	---	0 ON MAR 01	---	1931
1935	---	---	0 ON SEP 01	---	1935
1936	---	2.38 B ON MAR 10	0B ON MAR 01	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 290	MEAN

PARFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BM007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0	0	0	0	0	---	---	---	1965
1966	---	---	2.56	0.166	0	0.006	0.969	0	0	0	---	---	0.467	1966
1967	---	---	0	3.69	0.339	0.013	0	0	0	0	---	---	0.496	1967
1968	---	---	0	0	0	0	0.046	0	0.073	0	---	---	0.015	1968
1969	---	---	0	1.58	0.005	0	0	0	0	0	---	---	0.194	1969
1970	---	---	0.236	0.051	0.001	0.052	0.017	0	0	0	---	---	0.045	1970
1971	---	---	0	2.32	0.078	0.005	0	0	0	0	---	---	0.295	1971
1975	---	---	---	---	---	0.007	0	0	0	0	---	---	---	1975
1976	---	---	0.169	0.308	0.033	0	0	0	0	0	---	---	0.063	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.169	0.219	0.015	0.012	0	0	0.111	0	---	---	0.065	1978
1979	---	---	0.139	0.013	0.004	0.001	0	0	0	0	---	---	0.020	1979
1980	---	---	0	0.930	0.009	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0.009	0.007	0.007	0.011	0.004	0	0	0	---	---	0.005	1981
1982	---	---	0.147	0.285	0.006	0	0	0	0	0	---	---	0.054	1982
1983	---	---	0.002	0.006	0	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.393	0.183	0.046	0	0	0	0	0	---	---	0.078	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.266	0	0	0	0	0	0	---	---	0.033	1989
1990	---	---	0.168	0.001	0	0	0	0	0	0	---	---	0.021	1990
MEAN	---	---	0.190	0.478	0.026	0.005	0.045	0	0.008	0	---	---	0.094	MEAN

LOCATION - LAT 50 59 40 N DRAINAGE AREA, 129 km²
LONG 112 50 27 W REGULATED

PARFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BM007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---		---	1965
1966	---	22.2 ON MAR 28 *	0 ON MAY 21 *	9 880	1966
1967	---	17.5 ON APR 15	0E ON MAR 01	10 500	1967
1968	---	0.396E ON SEP 25	0B ON MAR 01	311	1968
1969	13.3 AT 10:00 MST ON APR 05	11.3 ON APR 05	0 ON MAR 01	4 100	1969
1970	2.79 AT 11:00 MST ON MAR 25	2.00 ON MAR 25	0B ON MAR 01	949	1970
1971	14.0 AT 09:00 MST ON APR 09 *	11.3 ON APR 09	0B ON MAR 01	6 240	1971
1975	---	---		---	1975
1976	3.34 B AT 21:00 MST ON MAR 31	2.70 B ON MAR 31	0 ON JUN 10	1 340	1976
1977	---	0 ON MAR 01	0B ON MAR 01	0	1977
1978	5.64 AT 01:30 MST ON MAR 31	4.59 ON MAR 31	0 ON MAR 01	1 380	1978
1979	1.02 B AT 05:00 MST ON MAR 13	0.657B ON MAR 12	0B ON MAR 01	419	1979
1980	9.41 AT 20:00 MST ON APR 13	7.15 ON APR 13	0B ON MAR 01	2 440	1980
1981	0.178 AT 00:25 MST ON JUN 04	0.136 ON JUN 04	0B ON MAR 01	100	1981
1982	---	1.96 ON APR 12	0B ON MAR 01	1 150	1982
1983	0.026 AT 05:00 MST ON APR 05	0.021 ON APR 04	0 ON MAR 01	20.1	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	---	4.00 B ON MAR 21	0B ON MAR 01	1 650	1985
1986	---	0 ON MAR 01	0 ON MAR 01	0	1986
1987	0.151 AT 16:23 MST ON APR 03	0.113 ON APR 04	0 ON MAR 01	46.7	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	3.25 AT 14:05 MST ON APR 05	2.15 ON APR 06	0B ON MAR 01	688	1989
1990	1.42 AT 08:41 MST ON MAR 20	1.26 ON MAR 20	0 ON MAR 01	452	1990
				1 980	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARLBY CREEK AT ALIX - STATION NO. 05CD007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	---	0.002	0.002	0.002	---	---	---	1983
1984	---	---	0.273	0.593	0.195	0.405	0.090	0.001	0.090	0.131	---	---	0.220	1984
1985	---	---	0.805	3.51	0.261	0.054	0.002	0.059	0.047	0.165	---	---	0.606	1985
1986	---	---	2.02	0.434	1.03	0.100	0.481	0.183	0.073	0.248	---	---	0.586	1986
1987	---	---	0.080	2.42	0.208	0.031	0.016	0.018	0.013	0.018	---	---	0.345	1987
1988	---	---	0.092	0.450	0.044	0.037	0.961	0.106	0.011	0.017	---	---	0.204	1988
1989	---	---	0.001	2.66	0.453	0.109	0.205	0.026	0.026	0.131	---	---	0.471	1989
1990	---	---	1.04	2.00	0.609	1.11	1.49	0.104	0.007	0.026	---	---	0.795	1990
MEAN	---	---	0.616	1.75	0.400	0.275	0.449	0.062	0.034	0.092	---	---	0.461	MEAN

LOCATION - LAT 52 24 27 N DRAINAGE AREA, 515 km²
LONG 113 11 43 W NATURAL FLOW

PARLBY CREEK AT ALIX - STATION NO. 05CD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0 ON AUG 24 *	---	1983
1984	---	2.12B ON APR 01	0 ON AUG 08	4 670	1984
1985	14.5 AT 00:40 MST ON APR 04 *	13.9 ON APR 04 *	0.001 ON JUL 10	12 800	1985
1986	---	6.83B ON MAR 05	0.016 ON SEP 10	12 400	1986
1987	9.81 AT 15:40 MST ON APR 06	9.62 ON APR 06	0.002 ON JUL 29	7 310	1987
1988	5.08 AT 07:00 MST ON JUL 18	4.87 ON JUL 18	0 B ON MAR 01	4 320	1988
1989	---	8.08B ON APR 08	0 B ON MAR 01	9 960	1989
1990	8.01 AT 07:35 MST ON APR 01	7.82 ON APR 01	0.001 ON SEP 21	16 800	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 750	MEAN

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	0.835	0.302	0.045	0.182	0.033	0.057	---	---	---	1981
1982	---	---	---	---	4.31	0.335	0.765	0.567	0.712	0.331	---	---	---	1982
1983	---	---	---	3.15	0.597	0.276	1.16	0.377	0.011	0.002	---	---	---	1983
1984	---	---	0.132	1.20	0.231	0.527	0.025	0	0.109	0.190	---	---	0.298	1984
1985	---	---	0.174	6.08	1.46	0.161	0	0.162	0.170	0.237	---	---	1.04	1985
1986	---	---	1.66	1.67	1.21	0.580	0.240	---	---	---	---	---	---	1986
1987	---	---	---	2.41	0.857	0.131	0.036	0.097	---	---	---	---	---	1987
1988	---	---	---	0.128	0.072	0.256	0.359	0.529	0.105	0.123	---	---	---	1988
1989	---	---	---	0.290	1.83	0.975	0.319	0.097	0.111	0.172	---	---	---	1989
1990	---	---	---	3.20	1.07	1.54	1.61	0.282	0.011	0.018	---	---	---	1990
MEAN	---	---	0.655	2.27	1.25	0.509	0.458	0.255	0.158	0.141	---	---	0.669	MEAN

LOCATION - LAT 52 29 25 N LONG 113 06 06 W DRAINAGE AREA, 843 km^2

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0 ON SEP 18 *	---	1981
1982	8.46 AT 12:53 MST ON MAY 05 *	7.53 ON MAY 04	---	---	1982
1983	4.38 AT 04:31 MST ON APR 05	4.17 ON APR 14	0 ON SEP 14	---	1983
1984	2.43 AT 13:40 MST ON APR 09	2.41 ON APR 08	0B ON MAR 01	6 320	1984
1985	8.29 AT 12:26 MST ON APR 12	8.24 ON APR 12 *	0B ON MAR 01	22 100	1985
1986	6.81 AT 00:01 MST ON MAR 21	4.66 ON MAR 21	0B ON MAR 01	---	1986
1987	6.19 AT 00:00 MST ON APR 14	6.06 ON APR 14	0B ON APR 01	---	1987
1988	5.67 AT 13:40 MST ON JUN 13	---	---	---	1988
1989	4.44 AT 13:59 MST ON MAY 30	3.89 ON MAY 31	0B ON MAR 28	---	1989
1990	6.32 AT 14:17 MST ON APR 20	5.94 ON APR 13	0B ON MAR 15	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 200	MEAN

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	3 370	5 340	3 760	1 640	1 240	1 370	---	---	2 780	1960
1961	---	---	---	---	3 800	5 130	2 080	759	1 020	1 220	---	---	2 330	1961
1962	---	---	---	---	2 240	4 820	3 840	2 320	1 080	1 190	---	---	2 580	1962
1963	---	---	---	---	4 110	4 680	3 000	1 460	1 150	1 260	---	---	2 610	1963
1964	---	---	---	---	2 680	8 820	4 330	3 560	1 380	1 470	---	---	3 690	1964
1965	---	---	---	---	3 000	5 690	3 750	1 150	1 020	1 480	---	---	2 670	1965
1966	---	---	---	---	3 630	4 930	2 790	1 670	1 430	1 010	---	---	2 740	1966
1967	---	---	---	---	4 260	7 370	2 420	1 120	780	1 400	---	---	2 880	1967
1968	---	---	---	---	1 120	1 580	674	351	335	426	---	---	746	1968
1969	---	---	---	---	1 610	1 130	756	729	1 230	952	---	---	1 070	1969
1974	---	---	---	---	---	---	---	---	---	1 690	1 570	---	---	1974
1975	---	---	---	---	1 900	1 840	1 120	636	941	1 050	---	---	1 250	1975
1976	---	---	---	---	1 970	2 610	2 490	3 360	1 630	1 860	---	---	2 120	1976
1977	---	---	---	---	2 170	2 550	2 200	1 570	1 230	1 560	---	---	1 880	1977
1978	---	---	---	---	1 710	1 760	938	934	809	1 080	---	---	1 200	1978
1979	---	---	---	---	1 820	2 410	2 020	1 110	1 310	1 070	---	---	1 620	1979
1980	---	---	---	---	836	1 250	919	930	1 460	1 580	---	---	1 160	1980
1981	---	---	---	---	2 460	1 570	1 100	847	1 200	1 520	---	---	1 460	1981
1982	---	---	---	---	1 850	1 510	1 230	1 310	1 330	1 490	---	---	1 460	1982
1983	---	---	---	---	1 870	1 690	3 460	1 450	1 620	1 470	---	---	1 930	1983
1984	---	---	---	---	2 290	2 450	1 730	1 560	1 720	1 910	---	---	1 940	1984
1985	---	---	---	---	1 980	2 170	1 640	1 220	1 980	1 830	---	---	1 800	1985
1986	---	---	---	---	1 980	1 350	983	625	745	1 180	---	---	1 150	1986
1987	---	---	---	---	2 160	2 510	1 710	2 230	1 430	1 450	---	---	1 910	1987
1988	---	---	---	---	2 010	2 090	1 790	1 140	1 320	1 440	---	---	1 670	1988
1989	---	---	---	---	1 570	1 570	1 570	1 480	1 110	1 100	---	---	1 400	1989
1990	---	---	---	---	2 130	3 140	1 240	893	1 270	1 590	---	---	1 700	1990
MEAN	---	---	---	---	2 330	3 150	2 100	1 390	1 230	1 360	1 570	---	1 920	MEAN

LOCATION - LAT 55 55 09 N LONG 118 36 19 W
DRAINAGE AREA, 130 000 km²
REGULATED SINCE 1967

REMARKS - STARTING NOV 01 1989, WATER LEVELS FOR WINTER PERIOD ARE COLLECTED

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	7 280 ON JUL 01	838R ON OCT 06	44 200 000	1960
1961	---	8 920R ON MAY 29	538R ON AUG 30	37 000 000	1961
1962	---	7 820 ON JUN 28	807R ON SEP 30	41 000 000	1962
1963	---	6 710R ON MAY 26	977R ON SEP 06	41 400 000	1963
1964	---	11 100R ON JUN 14 *	835R ON MAY 03	58 700 000	1964
1965	---	8 830R ON JUN 30	762 ON OCT 01	42 500 000	1965
1966	---	6 510 ON JUN 13	850RE ON OCT 24	43 500 000	1966
1967	---	9 030 ON JUN 04	660R ON SEP 21	45 800 000	1967
1968	---	4 250R ON JUN 14	206R ON SEP 05 *	11 900 000	1968
1969	---	2 570 ON MAY 01	518R ON JUL 15	17 000 000	1969
1974	---	---	---	---	1974
1975	2 680 AT 19:00 MST ON JUN 30	2 520R ON JUN 30	513 ON AUG 19	19 800 000	1975
1976	5 580 AT 14:30 MST ON AUG 06	5 410R ON AUG 06	1 270R ON SEP 08	36 900 000	1976
1977	5 320 AT 17:30 MST ON JUN 11	5 270R ON JUN 11	915R ON SEP 26	29 900 000	1977
1978	2 920 AT 01:30 MST ON JUN 01	2 860 ON JUN 01	561R ON OCT 02	19 100 000	1978
1979	3 520 AT 05:00 MST ON JUL 05	3 460R ON JUL 05	570RE ON OCT 15	25 700 000	1979
1980	3 050 AT 18:00 MST ON JUN 20	2 830R ON JUN 20	670RE ON MAY 26	18 400 000	1980
1981	3 250 AT 18:00 MST ON MAY 28	3 130 ON MAY 28	470RE ON AUG 17	23 300 000	1981
1982	3 220 AT 21:00 MST ON JUL 16	2 860R ON JUL 17	722 ON AUG 16	23 100 000	1982
1983	5 390 AT 15:00 MST ON JUL 16	5 310 ON JUL 16	596 ON AUG 16	30 700 000	1983
1984	5 150 AT 17:30 MST ON JUN 09	4 980RA ON JUN 09	980RE ON SEP 05	30 800 000	1984
1985	2 820 AT 00:30 MST ON SEP 23	2 670R ON SEP 23	599 ON AUG 07	28 600 000	1985
1986	2 810 AT 00:00 MST ON MAY 31	2 720 ON MAY 29	425 ON SEP 16	18 200 000	1986
1987	5 940 AT 18:30 MST ON AUG 03	5 740A ON AUG 03	841A ON SEP 28	30 400 000	1987
1988	3 150 AT 22:00 MST ON MAY 17	3 040 ON MAY 17	868 ON SEP 07	26 500 000	1988
1989	2 280 AT 23:30 MST ON JUN 04	2 210 ON JUN 04	643 ON OCT 30	22 200 000	1989
1990	7 830 AT 18:30 MST ON JUN 13 *	7 600A ON JUN 13	580E ON AUG 28	27 100 000	1990
				30 500 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

PEACE RIVER AT FIFTH MERIDIAN - STATION NO. 07KA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	6 840	5 740	2 050	1 780	1 480	---	---	---	1960
1961	---	---	---	---	---	6 550	2 890	1 190	1 160	1 380	---	---	---	1961
1962	---	---	---	---	---	6 710	6 030	3 380	2 050	1 370	---	---	---	1962
1963	---	---	---	---	---	---	4 080	2 190	---	---	---	---	---	1963
1964	---	---	---	---	---	8 980	5 870	5 690	2 170	2 240	---	---	---	1964
1966	---	---	---	---	---	---	---	2 440	2 010	---	---	---	---	1966
1967	---	---	---	---	---	8 590	3 980	1 850	1 110	---	---	---	---	1967
MEAN	---	---	---	---	---	7 530	4 770	2 680	1 710	1 620	---	---	---	MEAN

LOCATION - LAT 58 39 00 N LONG 114 01 20 W DRAINAGE AREA, 282 000 km²
NATURAL FLOW

PEACE RIVER AT FIFTH MERIDIAN - STATION NO. 07KA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	9 850 AT 07:30 MST ON JUN 26 *	9 800 ON JUN 26	---	---	1960
1961	---	9 200E ON MAY 31	---	---	1961
1962	---	8 500E ON JUL 01	---	---	1962
1963	---	---	---	---	1963
1964	---	10 500 ON JUN 17 *	---	---	1964
1966	---	---	---	---	1966
1967	---	9 660E ON JUN 07	---	---	1967
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	944	---	---	---	---	1915
1916	293	227	278	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	6 400	3 510	1 500	369	910	---	---	---	1917
1918	---	---	---	---	5 300	7 990	6 810	2 250	1 270	---	---	---	---	1918
1919	---	---	---	---	2 760	6 590	6 030	2 940	1 700	---	---	---	---	1919
1920	---	---	---	---	---	7 910	6 740	2 800	1 490	2 210	---	---	---	1920
1921	---	---	---	---	---	7 210	4 650	2 100	1 630	1 850	---	---	---	1921
1922	---	---	---	---	3 770	5 840	2 230	1 070	819	---	---	---	---	1922
1961	---	---	---	---	3 610	6 690	2 790	1 050	1 190	1 600	1 090	378	---	1961
1962	361	421	288	1 220	3 300	6 250	5 930	3 200	1 770	1 310	1 420	380	2 160	1962
1963	331	328	374	---	---	5 700	3 680	1 950	1 410	1 430	867	496	---	1963
1964	336	265	246	713	3 550	9 700	5 810	5 240	1 960	2 030	1 250	287	2 620	1964
1965	322	292	307	1 660	4 290	6 580	5 930	1 750	1 530	1 670	1 220	454	2 180	1965
1966	284	346	299	1 540	4 290	5 650	4 440	2 270	1 870	1 070	---	---	---	1966
1967	---	---	---	---	---	8 600	3 420	1 620	952	1 470	---	---	---	1967
1968	---	---	---	---	1 890	3 030	1 670	1 030	655	625	---	---	---	1968
1969	---	---	---	---	---	1 820	1 280	1 080	1 640	---	---	---	---	1969
1970	---	---	---	---	2 120	2 510	1 420	1 020	756	971	---	---	---	1970
1971	---	---	---	---	2 370	3 500	3 700	1 270	1 120	1 420	---	---	---	1971
1972	---	---	---	---	4 550	5 250	3 850	2 470	1 480	1 940	---	---	---	1972
1973	---	---	---	---	3 940	3 770	2 540	1 900	1 610	1 800	---	---	---	1973
1974	---	---	---	---	4 930	3 320	2 750	2 050	1 640	1 880	---	---	---	1974
1975	---	---	---	---	2 440	2 520	2 190	938	1 160	1 200	---	---	---	1975
1976	---	---	---	---	2 910	3 370	3 890	4 400	2 280	2 040	---	---	---	1976
1977	---	---	---	---	3 310	4 180	3 020	2 190	1 560	1 960	---	---	---	1977
1978	---	---	---	---	2 400	2 830	1 790	1 280	1 330	1 500	---	---	---	1978
MEAN	321	313	294	1 280	3 430	5 300	3 750	2 060	1 390	1 540	1 170	399	2 320	MEAN

LOCATION - LAT 58 23 15 N LONG 116 02 05 W DRAINAGE AREA, 223 000 km²
REGULATED SINCE 1967

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	8 470 ON JUN 08	---	---	1917
1918	11 200 AT 19:00 MST ON JUN 22	11 100 ON JUN 22	---	---	1918
1919	---	9 060 ON JUN 27	---	---	1919
1920	---	9 940 ON JUN 21	---	---	1920
1921	---	8 980 ON JUN 12	---	---	1921
1922	9 340 AT 08:00 MST ON JUN 08	9 260 ON JUN 08	---	---	1922
1961	---	9 910 ON MAY 31	---	---	1961
1962	---	8 890E ON JUL 01	221B ON MAR 21	68 100 000	1962
1963	---	---	242B ON JAN 13	---	1963
1964	---	12 400 ON JUN 16 *	193B ON DEC 08 *	82 900 000	1964
1965	11 800 AT 22:00 MST ON JUL 12 *	11 500 ON JUL 13	227B ON APR 07	68 600 000	1965
1966	7 500 AT 13:00 MST ON MAY 16	7 480 ON MAY 15	---	---	1966
1967	---	10 400 ON JUN 06	---	---	1967
1968	---	6 060 ON JUN 17	---	---	1968
1969	---	2 760 ON JUN 09	---	---	1969
1970	3 710 AT 20:00 MST ON JUN 08	3 620 ON JUN 08	---	---	1970
1971	8 160 AT 17:00 MST ON JUL 15	7 960 ON JUL 15	---	---	1971
1972	10 800 AT 07:00 MST ON JUN 16	10 400 ON JUN 16	---	---	1972
1973	4 640 AT 21:00 MST ON JUN 22	4 620 ON JUN 21	---	---	1973
1974	---	---	---	---	1974
1975	4 020 AT 18:00 MST ON JUL 03	3 940 ON JUL 03	---	---	1975
1976	6 800E ON AUG 21	6 710E ON AUG 21	---	---	1976
1977	6 510 AT 17:10 MST ON JUN 13	6 340 ON JUN 13	---	---	1977
1978	---	3 820E ON JUN 06	---	---	1978
				73 200 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	4 730	1 820	2 420	1 770	1 200	766	---	1959
1960	466	400	420	1 170	3 810	7 190	6 280	2 260	1 850	1 430	1 270	487	2 260	1960
1961	477	431	396	912	4 480	7 290	3 190	1 330	1 130	1 460	1 080	483	1 890	1961
1962	496	474	346	992	3 450	7 030	6 650	3 460	2 190	1 610	1 600	601	2 420	1962
1963	618	482	448	1 380	6 540	6 860	4 110	2 330	1 670	1 600	925	558	2 310	1963
1964	488	392	344	661	3 710	9 790	6 270	5 660	2 250	2 340	1 490	635	2 840	1964
1965	543	479	383	1 130	4 740	7 000	6 230	1 980	1 790	1 800	1 620	639	2 370	1965
1966	499	421	374	1 420	4 950	5 950	4 860	2 720	2 130	1 270	875	612	2 180	1966
1967	634	454	432	414	5 220	8 740	4 010	1 870	1 040	1 640	778	429	2 140	1967
1968	359	406	385	775	2 280	3 230	2 040	1 140	804	749	663	405	1 100	1968
1969	436	435	482	1 370	3 150	2 150	1 390	1 100	1 590	1 620	1 050	1 090	1 330	1969
1970	1 030	1 040	1 030	1 700	2 380	2 800	1 760	1 220	869	1 040	989	1 110	1 420	1970
1971	1 080	1 050	1 080	1 220	2 530	3 390	4 150	1 430	1 240	1 490	1 130	1 060	1 750	1971
1972	1 220	984	1 080	1 400	4 440	5 230	4 130	2 740	1 550	1 900	1 700	1 540	2 330	1972
1973	1 580	1 760	1 630	2 670	4 450	4 670	3 380	2 690	2 100	2 040	1 530	1 180	2 470	1973
1974	1 210	1 230	1 290	2 200	6 860	4 070	3 350	2 470	2 070	2 270	1 950	1 700	2 570	1974
1975	1 610	1 670	1 710	2 030	2 940	3 220	2 970	1 480	1 910	1 620	1 420	1 450	2 000	1975
1976	1 410	1 500	1 520	2 460	3 300	3 510	4 520	4 680	2 590	2 120	1 890	1 880	2 620	1976
1977	1 680	1 400	981	2 090	3 610	4 520	3 380	2 520	1 740	1 960	1 920	1 950	2 320	1977
1978	1 790	1 780	1 570	1 750	2 850	3 760	2 020	1 420	1 730	1 830	1 570	1 760	1 980	1978
1979	1 690	1 740	1 520	1 190	4 000	5 010	3 550	1 750	1 640	1 480	1 510	1 410	2 210	1979
1980	1 430	1 320	1 130	1 200	1 430	2 480	1 760	1 430	1 780	2 020	1 670	1 220	1 570	1980
1981	1 070	1 220	1 570	2 250	3 860	2 840	1 540	1 450	1 340	1 620	1 780	1 740	1 860	1981
1982	1 760	1 990	1 330	1 620	3 560	2 750	2 760	2 180	1 830	1 750	1 620	1 850	2 080	1982
1983	1 390	787	612	1 030	2 610	2 640	4 900	2 830	1 920	1 820	1 650	1 380	1 980	1983
1984	1 550	1 310	1 060	1 630	2 970	4 010	2 790	2 130	2 140	2 510	1 910	2 090	2 180	1984
1985	1 280	1 040	1 260	2 390	3 700	2 990	2 470	1 500	2 130	2 270	1 700	1 590	2 030	1985
1986	2 130	1 680	1 520	2 080	3 130	3 350	3 090	1 410	1 340	2 050	1 620	1 840	2 110	1986
1987	1 530	1 950	2 030	2 720	3 070	3 690	3 480	1 630	1 680	1 580	1 830	2 020	2 350	1987
1988	2 120	1 960	2 030	2 300	3 130	3 580	3 890	2 050	1 680	1 660	1 760	1 440	2 300	1988
1989	1 310	1 770	1 560	1 540	3 350	3 830	3 000	2 640	2 100	1 600	1 030	1 270	2 090	1989
1990	1 640	1 620	1 460	2 500	3 290	6 150	2 400	1 340	1 400	1 640	1 670	1 680	2 230	1990
MEAN	1 180	1 130	1 060	1 620	3 670	4 640	3 560	2 210	1 740	1 740	1 450	1 250	2 110	MEAN

LOCATION - LAT 59 06 50 N
LONG 112 25 35 W
DRAINAGE AREA, 293 000 km²
REGULATED SINCE 1968

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	7 670 AT 07:00 MST ON JUL 03	7 650R ON JUL 03	---	---	1959
1960	10 900 AT 23:00 MST ON JUN 27	10 800 ON JUN 28	350RB ON MAR 23	71 300 000	1960
1961	9 940 AT 12:00 MST ON JUN 02	9 910R ON JUN 02	330RB ON DEC 14	59 700 000	1961
1962	10 100 AT 22:00 MST ON JUL 03	10 000R ON JUL 03	272B ON APR 07 *	76 300 000	1962
1963	---	10 000E ON JUN 01	353RB ON APR 12	72 700 000	1963
1964	---	11 900 ON JUN 19	309RB ON MAR 27	89 800 000	1964
1965	---	10 500R ON JUL 15	360RB ON APR 11	74 700 000	1965
1966	---	7 590R ON JUN 17	351RB ON MAR 26	68 800 000	1966
1967	---	10 000 ON JUN 07	362RB ON DEC 20	67 600 000	1967
1968	5 920 AT 17:00 MST ON JUN 19	5 830 ON JUN 19	348RB ON JAN 06	34 900 000	1968
1969	---	4 810R ON MAY 06	360B ON MAR 04	41 800 000	1969
1970	---	3 910R ON JUN 11	784B ON NOV 25	44 600 000	1970
1971	7 900 AT 12:00 MST ON JUL 17	7 820R ON JUL 17	940RB ON DEC 24	55 200 000	1971
1972	9 120 AT 24:00 MST ON JUN 17	8 810R ON JUN 18	700RB ON FEB 05	73 700 000	1972
1973	6 400 AT 19:00 MST ON JUN 22	6 340 ON JUN 22	1 110RB ON DEC 15	77 900 000	1973
1974	---	8 700RB ON MAY 03	1 090RB ON JAN 05	81 000 000	1974
1975	4 930 AT 04:00 MST ON JUL 06	4 870R ON JUL 06	1 220 ON AUG 22	63 200 000	1975
1976	7 480 AT 19:25 MST ON AUG 23	7 330R ON AUG 23	1 200RB ON JAN 15	82 900 000	1976
1977	7 590 AT 02:50 MST ON JUN 16	6 800 ON JUN 16	875RB ON MAR 30	73 100 000	1977
1978	---	4 760RE ON JUN 08	1 170R ON AUG 15	62 600 000	1978
1979	---	6 290 ON JUN 10	910B ON DEC 31	69 800 000	1979
1980	3 730 AT 02:49 MST ON JUN 12	3 660R ON JUN 11	756RB ON JAN 08	49 700 000	1980
1981	4 390 AT 18:55 MST ON JUN 02	4 340R ON JUN 02	920B ON JAN 13	58 600 000	1981
1982	7 150 AT 17:55 MST ON JUL 21	6 900R ON JUL 21	1 170B ON MAR 22	65 700 000	1982
1983	6 990 AT 12:44 MST ON JUL 22	6 930 ON JUL 22	542RB ON APR 14	62 300 000	1983
1984	6 520 AT 18:07 MST ON JUN 14	6 420R ON JUN 14	1 000B ON MAR 25	68 800 000	1984
1985	---	4 500RB ON MAY 09	870RB ON FEB 02	64 100 000	1985
1986	4 940 AT 19:41 MST ON JUN 04	4 930 ON JUN 04	850E ON SEP 02	66 400 000	1986
1987	9 810 AT 21:13 MST ON AUG 07	9 500 ON AUG 07	1 230B ON JAN 16	74 200 000	1987
1988	---	5 430 ON JUL 20	1 250B ON DEC 31	72 800 000	1988
1989	4 420 AT 08:38 MST ON JUN 13	4 400 ON JUN 13	480B ON NOV 26	65 800 000	1989
1990	12 700 AT 15:23 MST ON JUN 17 *	12 600 ON JUN 17 *	978 ON SEP 04	70 300 000	1990
				66 500 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	4 080	4 490	1 810	904	778	519	304	---	1915
1916	258	265	285	693	3 640	5 190	5 070	1 820	883	876	457	226	1 640	1916
1917	236	222	207	469	3 310	5 280	3 170	1 300	700	910	969	311	1 430	1917
1918	392	321	270	712	3 180	6 070	4 890	2 060	1 040	663	430	312	1 700	1918
1919	293	234	199	441	2 540	6 460	5 240	2 450	1 460	703	447	481	1 750	1919
1920	501	307	270	566	5 260	7 480	5 860	2 300	1 500	2 020	758	361	2 270	1920
1921	367	326	339	1 340	4 050	6 940	4 330	2 050	1 520	1 920	1 070	565	2 070	1921
1922	288	309	344	866	3 660	6 170	1 920	1 010	797	1 380	836	521	1 510	1922
1923	301	238	268	1 150	3 410	6 510	3 420	1 920	1 160	793	658	360	1 690	1923
1924	248	244	249	610	4 440	4 260	2 910	1 590	1 270	1 630	667	457	1 550	1924
1925	347	359	324	1 600	4 320	3 810	1 620	965	1 290	698	555	776	1 390	1925
1926	353	385	443	1 890	3 520	4 220	2 380	1 020	712	781	598	511	1 400	1926
1927	468	428	523	1 200	2 820	6 850	4 650	1 190	886	999	478	327	1 740	1927
1928	504	511	497	1 120	3 900	5 400	3 130	1 430	862	843	470	275	1 580	1928
1929	253	290	311	570	2 840	5 000	2 610	1 360	982	1 190	455	340	1 350	1929
1930	258	245	238	1 120	2 510	6 450	3 140	1 540	1 090	940	674	358	1 550	1930
1931	262	232	253	640	3 350	5 260	3 290	1 670	1 210	1 060	---	---	---	1931
1932	---	---	---	---	---	---	---	---	---	1 060	---	---	---	1932
1957	---	---	---	---	---	---	---	---	---	---	---	644	---	1957
1958	457	271	310	2 520	5 310	5 260	2 140	837	811	1 180	649	364	1 680	1958
1959	329	311	289	634	3 470	6 780	3 840	1 460	2 040	1 470	987	597	1 860	1959
1960	380	318	383	1 080	4 330	7 140	4 630	1 980	1 400	1 470	930	442	2 040	1960
1961	405	365	373	928	4 250	5 760	2 540	1 010	1 190	1 500	887	367	1 640	1961
1962	343	443	252	1 620	3 300	5 850	5 100	2 900	1 530	1 470	1 540	564	2 080	1962
1963	463	420	409	2 540	5 730	6 120	3 700	1 780	1 400	1 420	727	513	2 110	1963
1964	392	318	266	885	3 530	10 400	5 460	4 880	2 080	2 010	1 150	436	2 650	1964
1965	350	339	354	2 050	4 330	7 210	5 510	1 650	1 460	1 890	1 080	525	2 240	1965
1966	397	359	303	1 430	4 780	5 970	4 640	2 380	1 880	1 260	825	555	2 070	1966
1967	421	329	283	453	5 520	9 230	3 200	1 530	1 010	1 610	746	406	2 070	1967
1968	340	333	406	665	1 940	2 840	1 490	875	622	603	540	371	920	1968
1969	446	432	508	1 280	2 300	1 770	1 160	1 130	1 720	1 230	1 080	990	1 170	1969
1970	981	964	1 050	1 770	2 040	2 280	1 250	903	761	928	940	1 100	1 250	1970
1971	992	973	1 090	1 540	2 190	3 770	3 320	1 130	1 150	1 360	1 160	1 150	1 650	1971
1972	1 100	1 060	1 140	2 010	3 830	5 570	3 700	2 260	1 340	1 900	1 540	1 480	2 250	1972
1973	1 640	1 730	1 660	2 800	3 550	3 480	2 220	1 720	1 340	1 690	1 400	1 120	2 050	1973
1974	1 240	1 240	1 330	3 030	4 240	3 220	2 660	1 930	1 530	1 890	1 640	1 630	2 140	1974
1975	1 540	1 710	1 620	1 920	2 380	2 540	1 950	890	1 100	1 130	1 340	1 250	1 610	1975
1976	1 320	1 340	1 380	2 110	2 950	3 590	3 470	4 540	2 160	2 060	1 880	1 800	2 390	1976
1977	1 610	1 200	931	2 060	3 370	3 670	3 030	2 100	1 540	1 950	1 870	1 910	2 110	1977
1978	1 750	1 760	1 430	1 520	2 240	2 670	1 490	1 160	1 210	1 330	1 470	1 790	1 650	1978
1979	1 740	1 640	1 180	1 730	2 960	3 810	2 960	1 360	1 470	1 160	1 450	1 060	1 880	1979
1980	1 480	1 300	931	1 030	1 430	2 710	1 580	1 250	1 930	1 900	1 510	1 070	1 510	1980
1981	808	1 250	1 740	2 330	3 310	2 330	1 480	1 190	1 400	1 630	1 790	1 650	1 740	1981
1982	1 890	1 760	1 210	1 720	2 790	2 540	2 740	2 380	1 750	1 710	1 640	1 640	1 980	1982
1983	1 040	634	573	1 160	2 350	2 600	4 710	1 960	1 890	1 640	1 410	1 520	1 800	1983
1984	1 380	1 050	824	1 520	2 910	3 490	2 380	1 900	2 250	2 390	1 850	1 940	1 990	1984
1985	1 320	1 220	1 670	2 260	2 630	2 880	2 140	1 470	2 360	2 070	1 890	1 910	1 990	1985
1986	1 890	1 470	1 200	2 110	2 840	2 520	1 890	909	886	1 480	1 460	1 470	1 680	1986
1987	1 460	1 860	1 930	2 590	2 820	3 210	2 170	3 320	1 740	1 600	1 760	1 920	2 200	1987
1988	1 990	1 870	1 950	2 110	2 560	2 770	2 260	1 470	1 420	1 580	1 680	1 210	1 900	1988
1989	1 380	1 710	1 430	1 430	2 420	2 580	2 610	2 610	1 610	1 340	1 180	1 340	1 800	1989
1990	1 660	1 710	1 300	1 780	2 780	5 470	2 010	1 090	1 440	1 720	1 630	1 810	2 030	1990
MEAN	822	788	749	1 460	3 350	4 750	3 150	1 750	1 360	1 390	1 100	901	1 810	MEAN

LOCATION - LAT 56 14 41 N DRAINAGE AREA, 186 000 km²
LONG 117 18 46 W REGULATED SINCE 1967

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	9 600 ON JUL 14	---	---	1915
1916	---	7 420 ON JUL 06	190B ON DEC 14	52 000 000	1916
1917	---	6 260 ON JUN 06	197B ON APR 06	45 100 000	1917
1918	---	8 010 ON JUN 20	246B ON MAR 20	53 700 000	1918
1919	---	9 030 ON JUN 25	180B ON MAR 28 *	55 300 000	1919
1920	---	9 540 ON JUN 19	207B ON DEC 30	71 900 000	1920
1921	---	8 750 ON JUN 10	255B ON MAR 22	65 400 000	1921
1922	---	10 600 ON JUN 06	235B ON FEB 03	47 600 000	1922
1923	8 270 ON JUN 16	8 240 ON JUN 17	227B ON FEB 19	53 200 000	1923
1924	---	7 960 ON MAY 19	229B ON MAR 01	49 100 000	1924
1925	---	7 790 ON MAY 21	283B ON JAN 13	43 900 000	1925
1926	---	8 180 ON JUN 19	345B ON JAN 17	44 300 000	1926
1927	---	8 780 ON JUL 08	311B ON DEC 29	54 800 000	1927
1928	---	6 680 ON JUN 02	258B ON DEC 24	50 000 000	1928
1929	---	6 170 ON JUN 08	249B ON JAN 26	42 700 000	1929
1930	---	9 260 ON JUN 20	221B ON MAR 13	48 800 000	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1957	---	---	---	---	1957
1958	11 400 AT 13:30 MST ON MAY 31	11 200 ON MAY 31	244B ON NOV 27	53 000 000	1958
1959	8 270 AT 15:00 MST ON JUN 28	8 180 ON JUN 07	261B ON MAR 16	58 500 000	1959
1960	12 000 AT 09:00 MST ON JUN 23	11 800R ON JUN 23	269B ON MAR 16	64 600 000	1960
1961	10 700 AT 07:00 MST ON MAY 29	10 700R ON MAY 29	311B ON MAR 10	51 600 000	1961
1962	9 230 AT 13:00 MST ON JUN 29	9 150R ON JUN 29	187RB ON MAR 29	65 700 000	1962
1963	8 920 AT 23:00 MST ON MAY 25	8 890R ON MAY 26	292B ON NOV 22	66 500 000	1963
1964	---	12 900R ON JUN 14	239RB ON MAR 27	84 000 000	1964
1965	14 000 AT 03:00 MST ON JUL 11	13 300R ON JUL 11	297B ON APR 04	70 500 000	1965
1966	---	8 380R ON MAY 12	283RB ON MAR 29	65 400 000	1966
1967	11 400 AT 01:00 MST ON JUN 05	11 300R ON JUN 05	273B ON MAR 19	65 200 000	1967
1968	7 310 AT 01:00 MST ON JUN 15	6 850R ON JUN 15	186RB ON NOV 20	49 100 000	1968
1969	3 710 AT 22:00 MST ON MAY 01	3 620R ON MAY 02	262B ON JAN 01	37 100 000	1969
1970	3 770 AT 03:00 MST ON JUN 06	3 710R ON JUN 06	691R ON SEP 08	39 400 000	1970
1971	10 100 AT 13:00 MST ON JUL 13	9 660 ON JUL 13	818RB ON JAN 14	52 100 000	1971
1972	15 600 AT 15:00 MST ON JUN 14	14 100R ON JUN 14	600RB ON JAN 26	71 100 000	1972
1973	4 590 AT 11:30 MST ON MAY 19	4 530 ON MAY 19	699RB ON DEC 29	64 500 000	1973
1974	---	7 280RB ON APR 26	810RB ON JAN 24	67 400 000	1974
1975	4 330 AT 01:00 MST ON JUL 01	4 130 ON JUL 01	745R ON AUG 20	50 800 000	1975
1976	7 990 AT 00:30 MST ON AUG 19	7 700 ON AUG 19	699RB ON JAN 21	75 500 000	1976
1977	6 060 AT 08:00 MST ON JUN 11	5 970R ON JUN 11	680RB ON MAR 30	66 500 000	1977
1978	3 710 AT 17:00 MST ON JUN 07	3 650 ON JUN 07	782R ON AUG 09	52 100 000	1978
1979	5 330 AT 06:30 MST ON JUN 16	5 180 ON JUN 16	540RB ON DEC 29	59 200 000	1979
1980	4 830 AT 11:30 MST ON JUN 06	4 710R ON JUN 06	530B ON MAR 13	47 700 000	1980
1981	4 600 AT 00:00 MST ON MAY 29	4 420R ON MAY 29	650RB ON JAN 15	55 000 000	1981
1982	12 200 AT 07:30 MST ON JUL 17	10 800R ON JUL 17	1 020R ON NOV 02	62 600 000	1982
1983	7 410 AT 15:00 MST ON JUL 17	7 140R ON JUL 17	500RB ON MAR 03	56 800 000	1983
1984	7 000 AT 00:00 MST ON JUN 10	6 800 ON JUN 10	678B ON MAR 04	63 000 000	1984
1985	3 540 AT 10:00 MST ON MAY 23	3 470R ON MAY 23	631RB ON JAN 24	62 600 000	1985
1986	4 720 AT 14:30 MST ON MAY 29	4 590 ON MAY 30	585 ON SEP 17	52 900 000	1986
1987	13 600 AT 18:30 MST ON AUG 03	11 400 ON AUG 03	976 ON SEP 29	69 400 000	1987
1988	4 450 AT 10:30 MST ON JUN 13	4 270 ON JUN 13	642 ON DEC 28	60 200 000	1988
1989	3 780 AT 11:30 MST ON AUG 25	3 650 ON AUG 25	694 ON NOV 15	56 900 000	1989
1990	18 500 AT 22:00 MST ON JUN 13 *	16 500 ON JUN 14 *	578 ON AUG 28	64 000 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989		57 100 000	MEAN

PEACE RIVER NEAR CARCAJOU - STATION NO. 07HD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	7 360	5 500	2 080	1 430	1 480	---	---	---	1960
1961	---	---	---	---	---	6 090	2 600	1 030	1 080	1 430	---	---	---	1961
1962	---	---	---	---	3 270	5 800	5 060	2 780	1 560	1 360	---	---	---	1962
1963	---	---	---	---	---	5 580	3 530	1 790	1 330	1 410	---	---	---	1963
1964	---	---	---	---	3 640	9 530	5 390	4 870	1 960	1 960	---	---	---	1964
1965	---	---	---	---	3 980	6 230	6 140	1 720	1 540	1 400	---	---	---	1965
1966	---	---	---	---	---	5 490	4 420	2 340	1 890	---	---	---	---	1966
1967	---	---	---	---	---	8 570	3 270	1 470	944	---	---	---	---	1967
MEAN	---	---	---	---	3 630	6 830	4 490	2 260	1 470	1 510	---	---	---	MEAN

LOCATION - LAT 57 44 30 N
LONG 117 01 55 W
DRAINAGE AREA, 210 000 km²
NATURAL FLOW

PEACE RIVER NEAR CARCAJOU - STATION NO. 07HD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	11 000 ON JUN 24	---	---	1960
1961	---	9 510 ON MAY 31	---	---	1961
1962	8 640 AT 03:00 MST ON JUL 01	8 500 ON JUL 01	---	---	1962
1963	---	7 670 ON MAY 26	---	---	1963
1964	---	12 100 ON JUN 18 *	---	---	1964
1965	---	11 200 ON JUL 12	---	---	1965
1966	---	---	---	---	1966
1967	10 100 AT 07:30 MST ON JUN 12 *	10 000 ON JUN 12	---	---	1967
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.191	0.077	0.554	0.191	0.029	0.001	0.001	0.001	---	---	0.131	1984
1985	---	---	1.96	1.53	0.024	0.001	0.001	0.002	0.006	0.141	---	---	0.456	1985
1986	---	---	3.85	3.50	0.203	0.007	0.074	0.003	0.001	0.001	---	---	0.951	1986
1987	---	---	0	3.03	0.011	0.001	0.001	0.001	0.001	0.001	---	---	0.373	1987
1988	---	---	0.001	0.044	0.005	0.364	0.151	0.002	0.001	0.002	---	---	0.070	1988
1989	---	---	0	1.59	0.188	0.010	0.003	0.003	0.003	0.115	---	---	0.236	1989
1990	---	---	2.86	2.10	0.064	0.469	0.001	0	0	0.008	---	---	0.686	1990
MEAN	---	---	1.27	1.70	0.150	0.149	0.037	0.002	0.002	0.038	---	---	0.415	MEAN

LOCATION - LAT 55 37 41 N DRAINAGE AREA, 537 km²
LONG 117 15 29 W NATURAL FLOW

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	5.00 AT 13:00 MST ON MAY 22	4.72A ON MAY 22	0B ON MAR 12 *	2 770	1984
1985	11.4 AT 00:30 MST ON MAR 20	9.92 ON MAR 20	0B ON MAR 01	9 660	1985
1986	17.7 B ON MAR 29	17.0 B ON MAR 29	0 ON SEP 05	20 100	1986
1987	18.2 AT 16:00 MST ON APR 09	16.4 ON APR 09	0B ON MAR 01	7 890	1987
1988	4.78 AT 06:30 MST ON JUN 10	4.05 ON JUN 10	0B ON MAR 01	1 490	1988
1989	12.3 AT 06:00 MST ON APR 14	9.58A ON APR 14	0B ON MAR 01	4 990	1989
1990	23.3 B AT 04:30 MST ON MAR 31 *	21.6 B ON MAR 31 *	0B ON MAR 01	14 500	1990
				8 770	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH906

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	1.08	0.088	0	0	0.119	0	0	---	---	---	1982
1983	---	---	---	0.278	0	0.289	0.333	0.025	0	0	---	---	---	1983
MEAN	---	---	---	0.679	0.044	0.145	0.167	0.072	0	0	---	---	---	MEAN

LOCATION - LAT 55 38 00 N DRAINAGE AREA, 537 km²
LONG 117 14 00 W NATURAL FLOW

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH906

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	9.28 AT 01:21 MST ON APR 28 *	---	---	---	1982
1983	---	---	---	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	2.68	0.447	0.130	0.009	0	0	0	0	---	---	---	1960
1961	---	---	0.083	0.001	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.833	0.114	0	0	0	0	0	0	---	---	---	1962
1963	---	---	0.646	0.239	0.005	0	2.01	0	0	0	---	---	---	1963
1964	---	---	0.233	1.61	0.969	0.013	0	0	0	0	---	---	---	1964
1965	---	---	0.306	8.32	0.313	0.688	0.415	0.001	0.024	0.032	---	---	---	1965
1966	---	---	3.84	1.03	0.202	0.232	0.015	0	0	0	---	---	---	1966
1967	---	---	1.66	1.80	2.92	0.127	0.001	0	0	0	---	---	---	1967
1968	---	---	0.593	0.285	0.148	0.250	0.011	0	0	0	---	---	---	1968
1969	---	---	1.43	3.18	0.100	0.003	0	0	0	0	---	---	---	1969
1970	---	---	0.681	2.04	0.101	0.064	0.015	0	0	0	---	---	---	1970
1971	---	---	0.420	2.35	0.151	0.045	0.004	0	0	0	---	---	---	1971
1972	---	---	2.33	0.147	0.024	0.002	0	0	0	0	---	---	---	1972
1973	---	---	0.148	0.071	0.041	0.081	0	0	0	0	---	---	---	1973
1974	---	---	1.10	2.28	0.239	0.026	0.005	0	0	0	---	---	---	1974
1975	---	---	0	2.02	2.72	0.127	0.003	0	0	0	---	---	---	1975
1976	---	---	1.34	0.616	0.025	0	0	0	0	0	---	---	---	1976
1977	---	---	0	0.090	0.016	0	0	0	0	0	---	---	---	1977
1978	---	---	0.503	2.56	0.887	0.071	---	0.003	0.002	0	---	---	---	1978
1979	---	---	4.07	2.15	0.926	0.129	0	0	0	0	---	---	---	1979
1980	---	---	0.102	0.056	0	0	0	0	0	0	---	---	---	1980
1981	---	0.624	0.043	0.006	0.004	0	0	0	0	0	---	---	---	1981
1982	---	0	0.704	3.48	0.411	1.22	0	0	0	0	---	---	0.070	1982
1983	---	0.663	0.471	0.033	0.392	0.002	0	0	0	0	---	---	0.644	1983
1984	---	0	0.012	0.157	0.003	0	0	0	0	0	---	---	0.170	1984
													0.019	
1985	---	0	1.37	2.68	0.590	0.010	0	0	0	0	---	---	0.518	1985
1986	---	1.01	0.847	0.028	0.511	0.048	0	0	0.596	0.112	---	---	0.344	1986
1987	---	0.390	1.99	0.640	0.018	0	0	0	0	0	---	---	0.339	1987
1988	---	0	0	0.101	0	0	0	0	0	0	---	---	0.011	1988
1989	---	0	0.018	0.168	0.003	0.025	0	0	0	0	---	---	0.024	1989
1990	---	0.102	1.71	0.296	0.088	0.046	0	0	0	0	---	---	0.252	1990
MEAN	---	0.279	0.973	1.32	0.385	0.104	0.083	0	0.020	0.005	---	---	0.239	MEAN

LOCATION - LAT 49 34 50 N DRAINAGE AREA, 440 km²
LONG 110 56 30 W NATURAL FLOW

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	14.9 AT 07:30 MST ON MAR 21	12.1 ON MAR 21	0 ON MAR 01 *	---	1960
1961	0.603 AT 20:00 MST ON MAR 17	0.428 ON MAR 17	0B ON MAR 03	---	1961
1962	---	3.77 A ON MAR 27	0A ON MAR 01	---	1962
1963	40.8 E ON JUL 04 *	8.50 E ON JUL 04	0 ON MAY 19	---	1963
1964	---	7.87 B ON APR 01	0B ON MAR 01	---	1964
1965	---	38.8 B ON APR 10 *	0B ON MAR 21	---	1965
1966	---	15.2 B ON MAR 16	0B ON MAR 01	---	1966
1967	17.0 AT 10:00 MST ON MAY 07	14.4 ON MAY 07	0B ON FEB 27	---	1967
1968	7.96 AT 07:12 MST ON JUN 08	2.36 ON JUN 08	0B ON FEB 29	---	1968
1969	---	16.1 A ON APR 02	0 ON MAR 01	---	1969
1970	32.6 AT 15:00 MST ON APR 07	20.9 ON APR 07	0 ON MAR 01	---	1970
1971	9.40 AT 10:30 MST ON APR 07	7.39 ON APR 07	0B ON MAR 01	---	1971
1972	27.4 AT 08:00 MST ON MAR 17	20.7 ON MAR 17	0B ON MAR 01	---	1972
1973	2.11 B AT 07:50 MST ON MAR 08	0.810 ON JUN 19	0 ON APR 17	---	1973
1974	12.7 B AT 06:15 MST ON MAR 30	9.66 B ON MAR 30	0B ON FEB 28	---	1974
1975	10.1 AT 06:00 MST ON APR 23	8.64 ON MAY 07	0B ON FEB 27	---	1975
1976	---	9.37 B ON MAR 18	0A ON FEB 25	---	1976
1977	1.15 AT 13:00 MST ON APR 06	0.779 ON APR 07	0A ON FEB 23	---	1977
1978	30.3 AT 02:00 MST ON JUL 04	4.98 ON APR 27	0B ON MAR 01	---	1978
1979	---	12.4 B ON MAR 12	0B ON FEB 28	---	1979
1980	---	0.712B ON MAR 20	0B ON MAR 01	---	1980
1981	---	3.81 B ON FEB 19	0B ON FEB 01	1 650	1981
1982	28.8 AT 07:44 MST ON APR 14	22.4 ON APR 14	0B ON FEB 01	15 200	1982
1983	5.20 AT 00:01 MST ON MAR 12	2.47 ON MAR 11	0B ON FEB 01	4 010	1983
1984	0.723 AT 02:11 MST ON APR 09	0.541 ON APR 09	0B ON FEB 01	448	1984
1985	13.2 AT 08:40 MST ON APR 02	10.2 ON APR 02	0B ON FEB 01	12 200	1985
1986	16.7 B AT 05:18 MST ON FEB 27	10.6 B ON FEB 27	0B ON FEB 01	8 110	1986
1987	---	15.5 B ON MAR 05	0 ON MAY 22	7 990	1987
1988	1.00 AT 05:20 MST ON APR 04	0.806 ON APR 04	0 ON FEB 01	262	1988
1989	0.789 AT 23:10 MST ON APR 16	0.641 ON APR 16	0A ON FEB 01	557	1989
1990	---	4.51 B ON MAR 07	0B ON FEB 01	5 940	1990
				5 640	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK AT PEKISKO - STATION NO. 05BL006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	1.38	1.97	4.06	4.18	1.31	0.624	0.787	---	---	---	1912
1913	---	---	---	---	2.10	2.57	1.56	1.12	0.651	0.760	---	---	---	1913
1914	---	---	---	---	2.01	1.64	0.632	0.138	0.185	1.11	---	---	---	1914
1915	---	---	---	0.874	6.54	7.52	4.41	---	---	1.47	---	---	---	1915
1916	---	---	---	1.70	3.41	9.52	3.79	2.45	2.16	1.97	---	---	---	1916
1917	---	---	---	---	7.85	10.7	1.28	0.474	0.391	0.421	---	---	---	1917
1918	---	---	---	0.733	1.34	1.41	0.256	0.376	0.529	0.361	---	---	---	1918
1919	---	---	0.124	0.684	1.26	0.255	0.091	0.398	0.155	0.201	---	---	0.396	1919
1923	---	---	0.103	0.671	3.68	14.8	2.28	2.04	0.730	0.411	---	---	3.06	1923
1924	---	---	0.154	0.839	2.32	5.58	0.981	1.68	0.373	0.304	---	---	1.52	1924
1925	---	---	0.243	1.59	2.28	3.82	0.651	0.454	0.676	0.946	---	---	1.32	1925
1926	---	---	0.267	1.55	0.963	1.79	1.26	0.434	4.64	2.36	---	---	1.89	1926
1927	---	---	0.387	0.969	5.32	7.78	1.86	1.98	4.42	4.51	---	---	3.35	1927
1928	---	---	1.19	1.67	2.72	4.09	1.52	0.836	0.779	0.757	---	---	1.94	1928
1929	---	---	0.398	1.09	4.26	15.0	0.653	0.134	0.151	0.189	---	---	2.70	1929
1930	---	---	0.370	2.58	3.31	2.53	0.865	0.224	0.231	0.197	---	---	1.28	1930
1931	---	---	0.149	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.339	1.26	3.21	5.94	1.77	0.950	1.09	1.05	---	---	1.94	MEAN

LOCATION - LAT 50 25 40 N DRAINAGE AREA, 203 km²
LONG 114 13 30 W NATURAL FLOW

PEKISKO CREEK AT PEKISKO - STATION NO. 05BL006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	26.2 ON JUN 16	---	---	1912
1913	---	6.17 ON JUN 28	---	---	1913
1914	---	3.31 ON JUN 26	---	---	1914
1915	---	18.5 ON JUN 26	---	---	1915
1916	---	18.0 ON JUN 05	---	---	1916
1917	---	24.7 ON JUN 02	---	---	1917
1918	---	2.46 ON MAY 31	---	---	1918
1919	---	1.87 ON MAY 21	0.040 ON JUL 06 *	8 390	1919
1923	---	99.1 E ON JUN 01 *	0.071B ON MAR 03	64 900	1923
1924	---	11.7 ON JUN 14	0.122B ON MAR 16	32 200	1924
1925	---	12.4 ON JUN 11	0.113B ON MAR 01	28 000	1925
1926	---	14.1 ON JUN 22	0.176B ON MAR 15	40 000	1926
1927	---	18.4 ON JUN 11	0.266B ON MAR 10	71 000	1927
1928	---	11.8 ON JUL 01	0.283B ON MAR 01	41 100	1928
1929	---	85.0 E ON JUN 03	0.062 ON OCT 02	57 200	1929
1930	---	5.10 ON MAY 30	0.054B ON MAR 06	27 100	1930
1931	---	---	---	---	1931
				41 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.054	0.634	8.51	7.66	0.884	0.158	0.020	0.046	---	---	2.24	1967
1968	---	---	0.363	0.378	1.31	2.93	0.818	0.447	0.970	1.14	---	---	1.04	1968
1969	---	---	0.446	3.15	4.32	7.80	5.47	0.293	0.214	0.345	---	---	2.74	1969
1970	---	---	0.080	0.584	3.70	4.19	1.01	0.140	0.154	0.230	---	---	1.26	1970
1971	---	---	0.266	1.55	2.58	3.26	0.376	0.036	0.054	0.280	---	---	1.04	1971
1972	---	---	0.619	1.80	5.99	3.31	0.992	0.612	0.437	0.508	---	---	1.78	1972
1973	---	---	0.297	0.825	3.32	2.45	0.442	0.171	0.319	0.236	---	---	1.00	1973
1974	---	---	0.322	1.72	5.86	4.34	0.726	0.479	0.545	0.553	---	---	1.81	1974
1975	---	---	0.132	1.05	5.05	5.23	2.86	0.800	0.228	0.250	---	---	1.95	1975
1976	---	---	0.294	0.890	2.22	0.871	0.219	4.53	0.580	0.279	---	---	1.24	1976
1977	---	---	0.347	0.402	0.666	0.314	0.078	0.680	0.556	0.483	---	---	0.441	1977
1978	---	---	0.567	1.21	3.82	3.62	1.81	0.772	0.654	0.404	---	---	1.60	1978
1979	---	---	0.461	1.38	3.93	1.69	0.486	0.298	0.204	0.129	---	---	1.07	1979
1980	---	---	0.136	1.50	2.09	3.67	0.381	0.395	0.642	0.562	---	---	1.16	1980
1981	---	---	0.315	0.353	7.18	5.10	1.71	0.722	0.129	0.200	---	---	1.96	1981
1982	---	---	0.023	0.641	1.00	2.75	0.836	0.043	0.112	0.227	---	---	0.699	1982
1983	---	---	0.180	1.25	2.15	1.08	0.310	0.041	0.015	0.038	---	---	0.631	1983
1984	---	---	0.141	0.324	0.736	0.969	0.135	0.004	0.005	0.017	---	---	0.289	1984
1985	---	---	0.113	0.533	0.852	1.02	0.045	0.208	2.13	1.33	---	---	0.773	1985
1986	---	---	0.746	0.927	3.21	1.70	0.422	0.146	0.516	1.36	---	---	1.13	1986
1987	---	---	0.383	1.03	1.17	0.213	0.959	0.902	0.344	0.602	---	---	0.652	1987
1988	---	---	0.146	0.337	0.531	0.617	0.096	0.109	0.033	0.078	---	---	0.244	1988
1989	---	---	0.099	0.550	1.73	1.11	0.168	0.082	0.274	0.205	---	---	0.527	1989
1990	---	---	0.184	0.846	6.97	4.38	0.920	0.630	0.183	0.236	---	---	1.79	1990
MEAN	---	---	0.280	0.994	3.29	2.93	0.923	0.529	0.388	0.389	---	---	1.21	MEAN

LOCATION - LAT 50 28 26 N DRAINAGE AREA, 232 km²
LONG 114 12 20 W NATURAL FLOW

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	53.8 AT 01:00 MST ON MAY 31	43.6 ON MAY 31	0 B ON MAR 01 *	47 400	1967
1968	7.56 AT 12:20 MST ON JUN 09	6.99 ON JUN 10	0.227 ON AUG 11	22 000	1968
1969	---	48.7 ON JUN 29 *	0 ON SEP 01	58 100	1969
1970	28.6 AT 03:09 MST ON JUN 14	19.5 ON JUN 14	0.031B ON MAR 07	26 600	1970
1971	14.9 AT 01:00 MST ON JUN 07	12.0 ON JUN 07	0.005 ON AUG 22	22 100	1971
1972	13.5 AT 11:30 MST ON MAY 25	11.8 ON MAY 25	0 B ON MAR 01	37 700	1972
1973	11.1 AT 07:00 MST ON MAY 26	9.85 ON MAY 26	0.042 ON AUG 29	21 300	1973
1974	13.2 AT 05:30 MST ON APR 27	10.2 ON MAY 27	0.051 ON AUG 06	38 400	1974
1975	29.7 AT 10:00 MST ON JUN 20	23.3 ON JUN 20	0.093 ON SEP 16	41 200	1975
1976	66.3 AT 22:00 MST ON AUG 05 *	28.9 ON AUG 06	0.054A ON JUL 26	26 300	1976
1977	2.46B AT 09:00 MST ON APR 05	1.57 ON AUG 23	0.018 ON JUL 25	9 340	1977
1978	8.21 AT 06:00 MST ON MAY 31	7.65 ON MAY 31	0.139B ON MAR 03	34 000	1978
1979	6.50 AT 01:00 MST ON MAY 17	6.16 ON MAY 17	0.073 ON OCT 05	22 700	1979
1980	10.2 AT 01:00 MST ON JUN 04	8.74 ON JUN 04	0.070B ON MAR 05	24 600	1980
1981	24.8 AT 01:30 MST ON MAY 22	20.2 ON MAY 22	0.017 ON SEP 19	41 600	1981
1982	4.97 AT 06:58 MST ON JUN 10	4.77 ON JUN 10	0 B ON MAR 01	14 800	1982
1983	9.57 AT 09:53 MST ON APR 25	7.43 ON APR 25	0 ON SEP 02	13 300	1983
1984	2.28 AT 16:37 MST ON MAY 16	1.95 ON MAY 17	0 ON JUL 26	6 130	1984
1985	17.5 AT 22:49 MST ON SEP 12	10.5 ON SEP 13	0.001 ON AUG 10	16 400	1985
1986	5.69 AT 10:56 MST ON MAY 22	5.51 ON MAY 22	0.040 ON AUG 29	23 900	1986
1987	6.13 AT 12:00 MST ON JUL 19	4.54 ON JUL 19	0.082 ON JUN 27	13 800	1987
1988	1.65 AT 20:17 MST ON JUN 09	1.59 ON JUN 09	0.001 ON JUL 31	5 130	1988
1989	3.32 AT 15:51 MST ON MAY 07	3.11 ON MAY 07	0.017 ON AUG 03	11 100	1989
1990	37.6 AT 10:13 MST ON MAY 26	31.0 ON MAY 26	0.083 ON SEP 26	38 000	1990
				25 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR JAN TO DEC IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	18.4	17.5	---	---	---	1957
1958	---	---	5.12	104	60.7	30.0	51.1	10.4	7.64	6.30	---	---	---	1958
1959	---	---	3.78	19.6	26.6	49.5	36.9	13.9	16.4	17.5	---	---	---	1959
1960	---	---	13.5	37.8	58.0	42.7	72.6	13.7	8.83	9.46	---	---	---	1960
1961	---	---	6.76	26.9	28.3	15.1	11.9	20.5	5.57	6.36	4.76	2.07	---	1961
1962	2.29	1.72	1.64	60.4	89.5	51.2	40.4	39.4	34.1	20.7	18.9	9.34	30.8	1962
1963	6.27	3.63	2.72	120	120	40.4	19.2	8.62	7.34	6.30	2.28	1.96	28.3	1963
1964	1.93	2.37	4.48	9.07	63.2	37.3	38.9	28.2	57.2	57.7	17.1	8.39	27.2	1964
1965	6.83	4.44	6.09	153	181	168	321	56.2	52.3	33.4	19.2	13.3	85.1	1965
1966	5.59	5.85	6.13	77.6	65.2	42.3	54.3	81.4	44.2	21.7	12.8	5.85	35.4	1966
1967	5.07	4.78	4.39	41.0	75.0	59.2	18.7	14.2	4.16	4.71	3.82	0.858	19.7	1967
1968	0.694	0.864	19.6	19.0	34.7	30.5	19.4	40.1	21.9	12.4	7.05	3.07	17.5	1968
1969	1.66	1.65	1.79	75.7	49.9	17.7	76.9	107	55.3	43.4	18.5	13.7	38.8	1969
1970	5.42	5.24	4.47	93.0	52.9	43.5	24.8	16.1	6.56	6.32	4.31	2.16	22.0	1970
1971	1.80	1.83	2.22	104	81.1	117	279	55.3	23.9	23.9	13.0	8.77	59.7	1971
1972	5.01	4.24	6.38	140	117	112	111	38.4	20.5	32.3	14.1	7.32	50.7	1972
1973	5.38	5.69	4.97	57.1	97.9	62.5	41.9	34.5	23.1	24.0	14.4	9.92	31.4	1973
1974	5.03	3.76	5.10	309	289	73.8	116	32.3	22.1	17.5	11.7	5.94	74.5	1974
1975	5.01	4.36	3.88	27.2	61.0	28.1	71.4	20.3	25.6	10.2	5.33	3.97	22.3	1975
1976	4.37	4.72	7.92	84.0	29.6	20.4	25.8	32.6	32.3	10.6	6.00	4.62	21.0	1976
1977	4.78	4.30	4.48	46.9	134	144	59.9	46.8	53.3	38.8	12.9	10.2	46.9	1977
1978	7.54	6.68	10.3	66.2	61.3	98.7	76.3	26.2	70.0	40.5	18.9	12.6	42.0	1978
1979	6.79	5.01	37.7	102	116	74.4	101	32.0	13.9	12.7	8.66	6.11	43.4	1979
1980	4.65	4.16	4.48	83.9	47.2	237	135	57.2	60.1	37.1	20.8	15.5	58.8	1980
1981	10.6	8.39	31.4	65.4	53.3	65.4	32.5	37.1	11.8	10.9	8.54	4.38	28.6	1981
1982	2.01	1.11	4.00	93.8	105	39.1	202	42.9	34.6	28.4	12.6	9.14	48.3	1982
1983	6.23	5.58	6.81	37.9	35.9	31.0	105	23.9	11.0	9.76	9.11	4.70	24.1	1983
1984	6.17	6.20	9.55	26.5	46.1	50.1	14.1	6.00	25.5	27.4	13.1	8.31	19.9	1984
1985	5.72	4.58	9.38	107	53.7	36.2	25.7	20.0	56.2	34.7	15.8	8.12	31.4	1985
1986	6.45	5.79	24.5	61.9	73.7	37.6	254	87.1	36.0	63.9	25.8	13.5	58.1	1986
1987	7.93	6.37	6.84	60.7	27.2	21.6	16.2	58.5	16.4	10.1	9.15	2.54	20.1	1987
1988	1.19	1.17	5.13	16.1	10.2	22.4	67.3	23.0	12.9	12.3	5.52	3.13	15.1	1988
1989	2.67	2.95	3.03	45.0	51.8	45.9	124	217	95.4	41.5	27.4	16.3	56.5	1989
1990	11.8	7.68	24.3	60.9	77.4	162	164	27.6	22.0	15.9	9.47	6.55	49.3	1990
MEAN	5.06	4.31	9.12	73.7	75.0	63.8	85.2	41.5	29.3	22.4	12.3	7.28	38.2	MEAN

LOCATION - LAT 54 27 05 N LONG 113 59 30 W DRAINAGE AREA, 13 100 km^2 NATURAL FLOW

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR JAN TO DEC FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	186 AT 10:30 MST ON JUL 03	182 B ON APR 12	---	---	1958
1959	119 AT 06:00 MST ON JUL 02	114 ON JUL 02	---	---	1959
1960	191 AT 21:00 MST ON JUL 06	186 ON JUL 06	---	---	1960
1961	73.3 AT 13:00 MST ON AUG 04	70.2 ON AUG 04	---	---	1961
1962	---	146 ON APR 22	0.793B ON APR 02	972 000	1962
1963	---	351 ON APR 21	0.816B ON NOV 18	891 000	1963
1964	215 AT 09:00 MST ON MAY 11	211 ON MAY 11	1.21 B ON JAN 01	862 000	1964
1965	---	549 ON JUL 04	3.57 B ON FEB 15	2 680 000	1965
1966	243 AT 04:00 MST ON AUG 10	240 ON AUG 10	4.25 B ON FEB 03	1 120 000	1966
1967	---	167 B ON APR 29	0.680B ON DEC 28	621 000	1967
1968	64.3 AT 01:00 MST ON AUG 12	63.7 ON AUG 12	0.538B ON FEB 20 *	553 000	1968
1969	394 AT 16:34 MST ON AUG 10	385 ON AUG 10	1.56 B ON JAN 09	1 230 000	1969
1970	---	280 B ON APR 15	1.56 B ON NOV 30	695 000	1970
1971	518 AT 22:30 MST ON JUL 16	518 ON JUL 16	1.53 B ON JAN 13	1 880 000	1971
1972	479 AT 00:30 MST ON JUL 01	470 ON JUL 01	4.08 B ON MAR 11	1 600 000	1972
1973	130 AT 23:00 MST ON MAY 10	126 ON MAY 11	3.96 B ON MAR 22	991 000	1973
1974	983 A AT 12:15 MST ON APR 24	974 A ON APR 24 *	3.34 B ON FEB 04	2 350 000	1974
1975	---	183 A ON JUL 03	3.11 B ON DEC 19	705 000	1975
1976	---	156 B ON APR 08	3.34 B ON JAN 01	665 000	1976
1977	411 AT 15:30 MST ON JUN 03	408 ON JUN 03	2.28 B ON FEB 05	1 480 000	1977
1978	214 AT 01:50 MST ON JUL 16	210 ON JUL 15	5.24 B ON MAR 08	1 320 000	1978
1979	258 AT 03:40 MST ON APR 27	251 ON APR 27	3.21 B ON FEB 08	1 370 000	1979
1980	565 AT 15:00 MST ON JUN 10	560 ON JUN 10	2.96 B ON MAR 12	1 860 000	1980
1981	---	147 B ON APR 06	2.05 B ON DEC 31	903 000	1981
1982	---	457 ON JUL 09	0.830B ON FEB 14	1 520 000	1982
1983	---	220 A ON JUL 12	4.50 B ON DEC 15	760 000	1983
1984	92.7 AT 15:32 MST ON JUN 13	91.6 ON JUN 13	4.10 B ON MAR 18	630 000	1984
1985	177 AT 06:50 MST ON APR 09	164 ON SEP 17	4.44 B ON FEB 04	990 000	1985
1986	1 010 AT 20:30 MST ON JUL 24 *	964 A ON JUL 24	5.75 B ON FEB 08	1 830 000	1986
1987	139 AT 20:09 MST ON AUG 06	132 B ON APR 11	1.55 B ON DEC 31	635 000	1987
1988	208 AT 17:15 MST ON JUL 09	194 ON JUL 09	1.02 B ON FEB 01	478 000	1988
1989	466 AT 03:08 MST ON AUG 08	451 ON AUG 07	2.28 B ON JAN 04	1 780 000	1989
1990	422 AT 18:19 MST ON JUL 10	414 ON JUL 10	4.70 B ON DEC 30	1 560 000	1990
				1 200 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	16.9	19.0	19.4	8.67	8.89	---	---	---	---	---	1956
1957	---	---	---	15.1	30.0	16.7	13.4	14.4	13.6	---	---	---	---	1957
1958	---	---	2.39	19.1	47.3	29.9	34.9	6.99	5.32	4.12	---	---	18.8	1958
1959	---	---	1.33	7.43	21.9	51.6	19.0	7.86	9.55	11.2	---	---	16.1	1959
1960	---	---	3.20	14.6	40.4	32.1	34.4	7.19	5.75	6.17	---	---	18.0	1960
1961	---	---	2.06	3.75	21.4	9.70	17.9	14.2	4.23	5.70	---	---	9.92	1961
1962	---	---	1.81	25.1	31.3	18.9	24.4	19.6	21.9	8.92	---	---	19.0	1962
1963	---	---	2.70	48.2	46.3	18.1	9.93	4.99	6.01	3.65	---	---	17.4	1963
1964	---	---	1.83	5.66	50.8	33.9	26.8	16.6	53.8	28.6	---	---	27.2	1964
1965	---	---	2.42	25.2	62.0	98.6	118	16.7	34.8	16.1	---	---	46.6	1965
1966	---	---	1.93	10.3	36.5	19.7	40.9	70.6	21.0	13.6	---	---	26.9	1966
1967	---	---	1.93	11.9	36.2	34.6	11.0	6.46	4.23	3.46	---	---	13.5	1967
1968	---	---	4.52	6.58	31.9	21.5	20.6	32.2	14.5	7.49	---	---	17.4	1968
1969	---	---	1.69	22.6	20.6	17.0	59.6	73.1	26.4	20.5	---	---	30.3	1969
1970	---	---	2.77	7.97	29.5	33.8	14.1	8.18	5.10	4.14	---	---	13.2	1970
1971	---	---	1.80	25.1	28.8	75.8	92.6	12.4	7.21	8.69	---	---	31.5	1971
1972	---	---	2.62	11.7	50.5	96.1	43.8	17.1	13.2	23.7	---	---	32.2	1972
1973	---	---	3.45	28.6	68.3	25.3	16.8	20.4	9.42	8.01	---	---	22.5	1973
1974	---	---	3.00	41.9	85.7	24.4	30.8	12.7	10.5	10.2	---	---	27.4	1974
1975	---	---	1.92	8.77	24.0	16.3	23.2	7.34	5.88	3.44	---	---	11.4	1975
1976	---	---	2.47	18.9	15.5	17.2	15.1	27.0	10.5	5.98	---	---	14.0	1976
1977	---	---	2.11	9.70	88.4	42.6	22.4	28.3	36.2	15.9	---	---	30.7	1977
1978	---	---	3.47	13.8	37.0	61.7	36.4	13.0	39.3	15.4	---	---	27.4	1978
1979	---	---	3.77	9.74	38.7	24.6	14.0	6.88	4.46	5.02	---	---	13.4	1979
1980	---	---	2.06	27.3	28.9	149	69.1	30.4	34.3	14.3	---	---	44.2	1980
1981	---	---	4.04	11.3	33.1	28.7	26.9	18.5	7.33	6.61	---	---	17.1	1981
1982	---	---	1.89	8.16	31.1	21.0	120	15.5	15.4	21.7	---	---	29.5	1982
1983	---	---	2.69	12.2	19.3	22.7	43.6	6.56	4.74	4.80	---	---	14.6	1983
1984	---	---	2.57	9.68	25.9	23.4	5.98	3.49	19.9	14.2	---	---	13.1	1984
1985	---	---	2.42	23.5	20.2	18.9	9.35	18.3	38.4	16.3	---	---	18.3	1985
1986	---	---	3.82	11.0	40.6	17.6	188	26.4	22.4	35.5	---	---	43.4	1986
1987	---	---	3.18	10.1	11.7	8.95	14.3	42.8	8.80	5.48	---	---	13.2	1987
1988	---	---	2.17	11.0	6.58	19.1	18.6	15.2	9.75	7.88	---	---	11.3	1988
1989	---	---	1.76	12.3	26.2	28.4	58.3	100	43.9	20.0	---	---	36.5	1989
1990	---	---	4.07	29.1	52.5	100	89.2	13.9	11.6	9.16	---	---	38.6	1990
MEAN	---	---	2.60	16.4	35.9	36.5	39.8	21.3	17.0	11.7	---	---	23.2	MEAN

LOCATION - LAT 53 07 47 N LONG 115 19 30 W DRAINAGE AREA, 2 900 km² NATURAL FLOW

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	47.9B ON APR 22	---	---	1956
1957	---	83.0 ON MAY 02	---	---	1957
1958	---	170 E ON JUN 30	2.18 B ON MAR 22	397 000	1958
1959	134 AT 11:30 MST ON JUN 28	126 ON JUN 28	0.623B ON MAR 01 *	342 000	1959
1960	114 AT 19:30 MST ON JUL 03	112 ON JUL 03	1.42 B ON MAR 01	381 000	1960
1961	---	73.9 ON JUL 31	1.67 B ON MAR 12	210 000	1961
1962	---	60.6 ON MAY 21	1.13 B ON MAR 01	401 000	1962
1963	---	116 ON APR 30	2.07 B ON MAR 24	369 000	1963
1964	---	190 ON MAY 08	0.765B ON MAR 21	576 000	1964
1965	---	374 ON JUN 01	1.73 B ON MAR 25	986 000	1965
1966	---	260 ON AUG 06	1.70 B ON MAR 01	570 000	1966
1967	---	63.4 ON JUN 10	1.56 B ON MAR 16	287 000	1967
1968	---	58.9 ON AUG 01	3.26 B ON MAR 16	369 000	1968
1969	569 AT 13:08 MST ON AUG 07	496 ON AUG 07	1.42 B ON MAR 11	641 000	1969
1970	182 AT 10:34 MST ON JUN 17	168 ON JUN 17	2.27 B ON OCT 29	279 000	1970
1971	247 AT 21:00 MST ON JUL 12	243 ON JUL 12	1.78 B ON MAR 01	667 000	1971
1972	612 A AT 24:00 MST ON JUN 26	541 A ON JUN 26	1.50 B ON MAR 01	683 000	1972
1973	92.9 AT 22:40 MST ON MAY 16	85.2 ON MAY 07	3.11 B ON MAR 01	477 000	1973
1974	141 AT 13:30 MST ON APR 29	140 ON APR 29	2.83 B ON MAR 01	581 000	1974
1975	76.2 AT 22:00 MST ON JUN 30	74.5 ON JUN 30	1.33 B ON APR 07	241 000	1975
1976	57.2 AT 04:00 MST ON AUG 18	54.9 ON AUG 18	2.32 B ON MAR 01	297 000	1976
1977	208 AT 21:00 MST ON MAY 30	192 ON MAY 31	2.10 B ON MAR 10	650 000	1977
1978	135 AT 00:30 MST ON JUL 13	118 ON JUL 13	2.37 B ON MAR 01	579 000	1978
1979	69.2 AT 01:40 MST ON MAY 02	51.5 ON MAY 19	2.07 B ON MAR 01	284 000	1979
1980	631 ON JUN 06	589 A ON JUN 06	1.91 B ON MAR 01	935 000	1980
1981	87.5 AT 11:50 MST ON JUL 31	82.3 ON JUL 31	2.75 B ON MAR 01	361 000	1981
1982	394 AT 17:10 MST ON JUL 06	381 ON JUL 06	1.86 B ON APR 01	624 000	1982
1983	83.5 AT 12:20 MST ON JUL 04	82.5 ON JUL 04	2.52 B ON MAR 01	309 000	1983
1984	63.2 AT 08:20 MST ON MAY 18	61.7 ON MAY 18	1.94 B ON MAR 01	277 000	1984
1985	120 AT 15:50 MST ON SEP 14	115 ON SEP 14 *	1.92 B ON MAR 10	388 000	1985
1986	1 100 AT 01:10 MST ON JUL 19 *	989 A ON JUL 19 *	2.78 B ON MAR 12	919 000	1986
1987	164 AT 03:17 MST ON AUG 03	136 ON AUG 03	2.80 B ON MAR 10	280 000	1987
1988	61.4 AT 14:01 MST ON JUN 10	56.4 ON JUN 10	1.47 B ON MAR 01	238 000	1988
1989	246 AT 14:04 MST ON AUG 04	239 ON AUG 04	1.60 B ON MAR 22	772 000	1989
1990	377 AT 01:39 MST ON JUL 08	307 ON JUL 07	3.52 B ON MAR 15	818 000	1990
MEAN				491 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEMBINA RIVER NEAR DAPP - STATION NO. 07BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	2.67	2.06	1.13	---	---	---	---	---	---	---	---	---	---	1931
MEAN	2.67	2.06	1.13	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 21 20 N
LONG 114 00 40 W
DRAINAGE AREA, 12 100 km²
NATURAL FLOW

PEMBINA RIVER NEAR DAPP - STATION NO. 07BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
				---	MEAN

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR JAN TO DEC IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	132	44.0	8.82	8.97	7.85	4.25	1.67	---	1914
1915	1.13	0.832	1.87	14.4	11.8	133	138	25.5	12.2	13.4	6.17	2.20	30.2	1915
1916	1.34	1.24	1.92	12.5	28.5	30.3	67.2	26.5	22.9	18.0	10.7	3.55	18.8	1916
1917	2.46	2.02	1.70	11.3	177	72.1	30.7	11.9	11.6	11.8	8.10	3.40	28.9	1917
1918	3.55	2.39	2.32	34.0	35.7	28.9	24.0	10.6	7.57	7.64	4.23	2.25	13.6	1918
1919	1.22	0.449	0.372	10.3	12.0	14.7	4.89	7.09	48.8	9.92	7.49	4.12	10.1	1919
1920	2.76	1.78	1.08	5.53	194	55.4	17.6	18.5	10.1	9.40	3.86	0.970	27.0	1920
1921	1.89	3.49	3.80	34.9	84.1	31.3	16.2	14.3	8.74	6.95	4.71	3.31	17.9	1921
1922	1.46	0.082	0.028	11.5	40.6	9.18	12.4	7.63	5.25	4.33	3.62	0.841	8.15	1922
1923	0.276	0.152	---	---	---	---	---	---	---	---	---	---	---	1923
1954	---	---	---	---	---	---	---	---	---	---	15.5	6.56	---	1954
1955	2.22	2.68	3.35	27.8	86.7	40.3	18.8	9.52	4.49	5.23	1.93	1.15	17.1	1955
1956	1.22	2.92	2.71	27.1	26.0	27.3	12.5	12.3	8.90	4.49	3.74	2.23	10.9	1956
1957	1.81	1.67	1.35	19.4	39.6	17.8	13.4	14.6	14.1	12.9	11.0	6.88	12.9	1957
1958	2.10	3.57	7.33	33.2	43.5	39.9	38.5	6.88	4.41	3.37	2.28	1.82	15.6	1958
1959	1.07	0.522	1.93	8.37	19.5	54.2	24.7	9.40	13.8	13.4	6.21	4.18	13.1	1959
1960	2.69	2.68	8.43	18.7	56.2	36.2	50.1	7.21	6.43	6.33	3.19	1.37	16.7	1960
1961	1.12	1.57	1.16	5.88	25.5	10.8	13.0	17.9	4.81	6.25	4.55	1.87	7.93	1961
1962	1.88	1.50	1.82	38.1	48.6	29.3	29.8	29.1	27.0	11.8	9.48	7.60	19.7	1962
1963	2.18	1.83	2.65	58.0	67.4	23.3	13.1	5.71	5.73	4.94	2.71	1.39	15.8	1963
1964	1.63	2.13	1.84	7.06	64.7	39.3	39.3	22.0	65.4	38.8	10.2	3.68	24.7	1964
1965	1.03	2.10	2.32	49.3	80.3	132	173	14.5	27.7	14.1	6.20	3.75	42.4	1965
1966	2.20	2.97	4.40	17.7	45.7	25.0	46.5	80.8	27.1	13.9	3.94	5.81	23.2	1966
1967	3.21	2.42	3.85	12.6	52.7	45.9	10.5	8.49	4.03	4.40	3.64	1.25	12.8	1967
1968	1.04	0.947	6.28	7.55	32.9	24.8	42.0	38.7	18.7	10.9	5.27	2.99	14.4	1968
1969	1.62	0.969	1.14	34.5	30.5	17.8	70.6	88.6	34.9	27.1	11.1	8.10	27.5	1969
1970	2.48	1.96	3.11	14.4	34.1	37.6	15.2	8.85	5.54	5.30	2.32	2.03	11.1	1970
1971	1.94	2.31	2.57	45.7	38.4	90.3	145	13.8	7.64	10.5	6.50	3.17	30.8	1971
1972	2.01	1.84	2.53	22.9	66.8	121	52.8	20.0	13.9	24.4	10.5	6.93	28.8	1972
1973	4.43	3.63	3.99	39.4	82.4	34.3	24.8	25.9	12.2	10.8	6.67	3.98	21.1	1973
1974	3.14	3.43	3.63	79.8	125	35.0	49.8	15.8	11.8	10.1	5.41	2.82	29.0	1974
1975	2.53	2.79	2.53	9.73	35.9	22.8	35.2	9.27	7.93	4.72	2.32	1.99	11.5	1975
1976	2.50	2.36	2.48	26.4	20.7	18.4	18.5	29.1	12.4	6.33	3.55	3.17	12.2	1976
1977	2.54	2.20	2.13	12.6	112	61.2	26.8	28.4	39.9	20.2	5.03	4.09	26.6	1977
1978	3.22	2.83	5.01	19.3	49.2	81.3	56.3	17.8	45.4	21.0	10.1	5.86	26.5	1978
1979	2.88	2.19	7.41	27.1	51.9	33.4	24.5	11.9	5.49	7.01	3.87	3.15	15.1	1979
1980	2.73	2.37	2.38	38.2	38.9	210	88.8	36.0	41.9	20.1	8.70	5.15	41.1	1980
1981	3.99	2.98	6.56	14.4	41.6	40.0	29.1	24.4	8.57	8.07	6.00	1.85	15.7	1981
1982	1.54	1.83	2.11	18.3	47.0	27.5	175	20.8	20.4	23.6	7.41	3.49	29.4	1982
1983	3.24	2.93	3.22	21.4	24.7	23.9	66.5	8.61	5.19	4.67	4.58	2.23	14.4	1983
1984	2.18	2.55	3.70	14.3	35.9	28.4	7.85	3.50	24.8	19.3	8.38	4.49	12.9	1984
1985	2.95	2.64	4.78	48.5	28.7	23.3	12.1	19.7	51.1	22.6	7.09	4.46	19.0	1985
1986	3.21	2.69	7.85	15.8	53.6	21.6	229	14.6	23.6	45.6	13.2	5.75	38.6	1986
1987	4.74	4.37	3.96	19.7	17.4	12.9	15.6	51.9	11.4	7.21	4.34	2.30	13.1	1987
1988	1.34	1.30	4.43	14.2	7.54	21.7	35.1	22.2	11.9	9.37	3.90	2.57	11.1	1988
1989	2.60	2.33	2.22	22.3	36.1	39.6	80.2	141	55.3	24.3	15.7	7.74	36.0	1989
1990	5.33	3.92	10.6	45.4	68.4	146	126	15.3	13.5	10.1	7.93	5.27	38.3	1990
MEAN	2.33	2.19	3.43	24.3	52.7	48.9	49.9	23.5	18.5	12.9	6.47	3.60	20.7	MEAN

LOCATION - LAT 53 36 18 N DRAINAGE AREA, 4 420 km²
LONG 115 00 14 W NATURAL FLOW

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR JAN TO DEC FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	490 ON JUN 09	---	---	1914
1915	---	459 ON JUN 29	0.255B ON FEB 02	953 000	1915
1916	---	206 ON JUL 04	1.08 B ON FEB 06	595 000	1916
1917	---	379 ON MAY 19	1.56 B ON FEB 23	912 000	1917
1918	---	73.6 ON APR 17	0.821B ON DEC 30	430 000	1918
1919	---	141 ON SEP 06	0.142B ON MAR 08	318 000	1919
1920	---	311 E ON MAY 09	0.283B ON DEC 26	852 000	1920
1921	---	110 ON MAY 17	0.311B ON JAN 05	564 000	1921
1922	---	77.9 ON MAY 18	0 B ON FEB 13 *	257 000	1922
1923	---	---	0 B ON JAN 16	---	1923
1954	---	---	---	---	1954
1955	---	144 ON MAY 24	0.595B ON DEC 29	540 000	1955
1956	---	74.5B ON APR 23	0.481B ON JAN 05	346 000	1956
1957	---	115 ON MAY 02	0.651B ON MAR 09	408 000	1957
1958	---	202 ON JUN 30	0.481B ON NOV 25	493 000	1958
1959	136 AT 03:00 MST ON JUN 29	123 ON JUN 19	0.340B ON FEB 22	414 000	1959
1960	---	152 ON JUL 03	0.566B ON DEC 19	528 000	1960
1961	---	98.5 ON JUL 31	0.311B ON MAR 22	250 000	1961
1962	---	88.3 ON AUG 08	1.08 B ON FEB 06	622 000	1962
1963	---	178 ON MAY 01	0.606B ON DEC 06	498 000	1963
1964	---	236 ON MAY 08	0.640B ON MAR 25	782 000	1964
1965	---	564 ON JUL 12	0.538B ON MAR 06	1 340 000	1965
1966	268 AT 11:00 MST ON AUG 07	255 ON AUG 07	1.27 B ON JAN 27	732 000	1966
1967	89.8 AT 12:00 MST ON JUN 11	85.5 ON JUN 12	0.850 ON DEC 15	401 000	1967
1968	66.0 AT 15:11 MST ON AUG 08	64.6 ON AUG 08	0.708B ON FEB 05	456 000	1968
1969	549 AT 05:06 MST ON AUG 08	447 ON AUG 08	0.850B ON FEB 18	867 000	1969
1970	203 AT 01:27 MST ON JUN 18	175 ON JUN 18	1.27 B ON NOV 29	350 000	1970
1971	439 AT 18:00 MST ON JUL 11	430 ON JUL 12	1.70 B ON JAN 24	972 000	1971
1972	697 AT 17:00 MST ON JUN 27	663 ON JUN 27	1.16 B ON MAR 03	911 000	1972
1973	105 AT 03:00 MST ON MAY 08	103 ON MAY 08	2.56 B ON DEC 17	667 000	1973
1974	227 AT 03:10 MST ON APR 28	221 ON APR 28	2.35 B ON DEC 30	915 000	1974
1975	124 AT 01:00 MST ON JUL 01	123 ON JUL 01	1.37 B ON NOV 19	364 000	1975
1976	59.7 AT 01:40 MST ON AUG 19	57.5 ON AUG 19	2.12 B ON NOV 23	385 000	1976
1977	314 AT 11:20 MST ON MAY 31	306 ON MAY 31	1.74 B ON MAR 02	839 000	1977
1978	192 AT 16:20 MST ON JUL 13	182 ON JUL 13	2.10 B ON JAN 16	836 000	1978
1979	70.7 AT 23:10 MST ON MAY 02	68.8 ON MAY 12	1.36 B ON JAN 26	478 000	1979
1980	782 AT 03:50 MST ON JUN 07	715 ON JUN 06	2.10 B ON MAR 04	1 300 000	1980
1981	96.1 AT 06:25 MST ON AUG 01	92.0 ON AUG 01	1.37 B ON DEC 26	496 000	1981
1982	593 AT 04:25 MST ON JUL 07	566 ON JUL 07	1.41 B ON JAN 01	928 000	1982
1983	137 AT 20:00 MST ON JUL 09	126 ON JUL 09	2.20 B ON DEC 09	453 000	1983
1984	80.9 AT 07:40 MST ON MAY 19	78.8 ON MAY 19	1.90 B ON MAR 10	409 000	1984
1985	161 AT 03:50 MST ON SEP 15	157 ON SEP 15	2.04 B ON JAN 22	599 000	1985
1986	1 250 AT 00:40 MST ON JUL 20 *	1 180 A ON JUL 20 *	2.19 B ON FEB 17	1 220 000	1986
1987	174 AT 21:06 MST ON AUG 03	137 ON AUG 04	1.40 B ON NOV 15	412 000	1987
1988	103 AT 01:25 MST ON JUL 08	98.1 ON JUL 08	1.10 B ON JAN 14	358 000	1988
1989	404 AT 02:49 MST ON AUG 05	392 ON AUG 05	1.94 B ON MAR 11	1 140 000	1989
1990	437 AT 15:16 MST ON JUL 08	423 ON JUL 08	2.90 B ON FEB 22	1 210 000	1990
				655 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEYTO CREEK AT PEYTO GLACIER - STATION NO. 05DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	1.20	4.27	6.47	---	---	---	---	---	1967
1968	---	---	---	---	---	---	5.08	4.34	1.87	---	---	---	---	1968
1969	---	---	---	---	---	3.98	3.96	---	---	---	---	---	---	1969
1970	---	---	---	---	---	4.54	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	1.99	5.39	8.70	1.12	---	---	---	---	1971
1972	---	---	---	---	0.157	3.55	4.80	6.15	1.29	---	---	---	---	1972
1973	---	---	---	---	---	2.03	4.70	4.67	2.37	---	---	---	---	1973
1974	---	---	---	---	---	3.58	5.66	6.07	3.41	---	---	---	---	1974
1975	---	---	---	---	---	1.17	5.97	---	0.777	---	---	---	---	1975
1976	---	---	---	---	---	1.09	3.90	---	---	---	---	---	---	1976
1977	---	---	---	---	---	2.50	3.73	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.157	2.56	4.71	6.07	1.81	---	---	---	---	MEAN

LOCATION - LAT 51 41 37 N, LONG 116 32 08 W
DRAINAGE AREA, 23.6 km^2
NATURAL FLOW

PEYTO CREEK AT PEYTO GLACIER - STATION NO. 05DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	9.71 ON AUG 14	---	---	1967
1968	17.4 AT 21:52 MST ON JUL 11	12.4 ON JUL 12	---	---	1968
1969	16.1 AT 15:40 MST ON JUN 20	9.88 ON JUN 20	---	---	1969
1970	---	12.3 ON AUG 26	---	---	1970
1971	31.1 AT 19:20 MST ON AUG 06 *	16.9 ON AUG 07 *	---	---	1971
1972	14.6 AT 00:30 MST ON AUG 30	10.0 ON AUG 07	---	---	1972
1973	---	8.13 ON JUL 21	---	---	1973
1974	13.0 AT 14:00 MST ON AUG 05	10.9 ON AUG 05	---	---	1974
1975	---	10.2 ON JUL 15	---	---	1975
1976	14.5 AT 20:00 MST ON AUG 15	8.75 ON AUG 16	---	---	1976
1977	15.5 AT 21:30 MST ON AUG 13	8.47 ON AUG 13	---	---	1977
			---		MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO. 07CA010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.452	1.18	1.24	3.02	2.03	0.992	1.64	2.15	---	---	1.58	1984
1985	---	---	0.595	2.08	7.65	3.69	1.91	0.697	0.400	0.243	---	---	2.16	1985
1986	---	---	0.373	0.691	1.69	1.37	1.59	2.65	0.490	0.059	---	---	1.12	1986
MEAN	---	---	0.473	1.32	3.53	2.69	1.84	1.45	0.843	0.817	---	---	1.62	MEAN

LOCATION - LAT 55 00 35 N LONG 111 42 40 W DRAINAGE AREA, 1 030 km² NATURAL FLOW

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO. 07CA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	5.44 ON JUN 07	0.342B ON MAR 11	33 500	1984
1985	12.4 AT 09:02 MST ON MAY 09 *	12.1 ON MAY 09 *	0.125B ON OCT 28	45 700	1985
1986	3.53 AT 19:40 MST ON AUG 08	3.53 ON AUG 08	0.026A ON OCT 26 *	23 700	1986
				34 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIERRE RIVER NEAR FORT MACKAY - STATION NO. 07DA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.628	0.290	0.147	0.021	---	1975
1976	0.001	0	0	0.610	0.372	0.242	0.353	0.211	0.179	---	0.048	0	---	1976
1977	0	0	0	0.227	---	0.307	0.639	0.158	0.134	0.316	0.083	0.002	---	1977
MEAN	0.001	0	0	0.419	0.372	0.275	0.496	0.185	0.297	0.303	0.093	0.008	---	MEAN

LOCATION - LAT 57 27 55 N LONG 111 39 14 W DRAINAGE AREA, 123 km² NATURAL FLOW

PIERRE RIVER NEAR FORT MACKAY - STATION NO. 07DA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	2.72 AT 21:17 MST ON JUL 05 *	1.19B ON APR 15 1.57 ON JUL 05 *	0B ON JAN 07 * 0B ON JAN 01	---	1977
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO. 05FA017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.681	0.416	0.100	---	---	---	1974
1975	---	---	0.019	0.914	0.634	0.361	0.225	0.195	0.103	0.028	---	---	0.308	1975
1976	---	---	0.015	0.353	0.051	0.012	0.001	0.001	0.004	0.001	---	---	0.054	1976
1977	---	---	0.001	0.031	0.207	0.170	0.002	0.002	0.003	0.004	---	---	0.052	1977
1978	---	---	0.147	0.101	0.019	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.046	0.350	0.228	0.181	0.076	0.220	0.132	0.033	---	---	0.138	MEAN

LOCATION - LAT 52 51 05 N LONG 113 53 45 W DRAINAGE AREA, 383 km² NATURAL FLOW

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO. 05FA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	5.95 B ON APR 21 *	0B ON MAR 01 *	6 520	1975
1976	---	1.56 B ON APR 09	0 ON JUL 17	1 140	1976
1977	1.06 AT 22:45 MST ON JUN 01 *	0.980 ON JUN 01	0 ON JUL 28	1 100	1977
1978	---	---	0B ON MAR 01	---	1978
				2 920	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0.234	0.321	0.089	0.017	0.003	0	0	0	---	---	0.083	1979
1980	---	---	0	0.471	0.004	0.014	0.066	0.195	0.432	0.490	---	---	0.208	1980
1981	---	---	0.522	0.306	0.923	0.815	1.19	2.18	1.44	2.23	---	---	1.20	1981
1982	---	---	0.041	2.45	2.11	1.81	3.26	1.79	1.05	1.46	---	---	1.75	1982
1983	---	---	0.829	1.54	1.01	0.667	1.03	0.075	0.007	0.014	---	---	0.645	1983
1984	---	---	0.174	0.140	0.132	0.255	0.018	0	0.059	0.110	---	---	0.110	1984
1985	---	---	0.457	2.27	0.128	0.019	0.001	0.038	0.037	0.005	---	---	0.364	1985
1986	---	---	0.457	0.095	0.616	0.070	0.505	0.577	0.029	0.067	---	---	0.305	1986
1987	---	---	0.031	0.972	1.31	1.19	0.335	0.909	1.11	0.452	---	---	0.785	1987
1988	---	---	0.003	0.020	0	0.017	0.042	0.026	0.037	0.014	---	---	0.020	1988
1989	---	---	0	0.889	0.280	0.095	0.178	0.147	0.043	0.065	---	---	0.211	1989
1990	---	---	0.619	0.832	1.26	2.51	8.67	2.85	1.57	0.783	---	---	2.40	1990
MEAN	---	---	0.281	0.859	0.655	0.623	1.27	0.732	0.485	0.474	---	---	0.673	MEAN

LOCATION - LAT 52 52 10 N LONG 113 53 47 W DRAINAGE AREA, 377 km² NATURAL FLOW

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05FA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.29 B AT 12:05 MST ON MAR 18	1.22 ON APR 21	0 B ON MAR 01 *	1 750	1979
1980	1.97 B AT 11:15 MST ON APR 08	1.80 B ON APR 09	0 B ON MAR 01	4 400	1980
1981	9.50 AT 23:25 MST ON JUL 31	8.62 ON AUG 01	0.003B ON MAR 01	25 500	1981
1982	11.7 AT 16:20 MST ON APR 23	11.6 ON APR 23	0.022 ON OCT 02	37 000	1982
1983	5.25 B AT 13:20 MST ON APR 03	4.36 B ON APR 03	0 ON AUG 18	13 600	1983
1984	1.71 AT 19:10 MST ON JUN 10	1.06 B ON MAR 25	0 B ON MAR 01	2 340	1984
1985	9.23 AT 22:15 MST ON APR 02	9.21 ON APR 02	0 B ON MAR 01	7 710	1985
1986	3.96 AT 13:00 MST ON MAY 17	3.31 ON MAY 17	0.001 ON JUL 07	6 450	1986
1987	---	4.83 B ON APR 05	0.001B ON MAR 01	16 600	1987
1988	0.879 AT 23:28 MST ON JUN 12	0.288 ON JUN 13	0 ON MAR 01	416	1988
1989	4.67 AT 20:01 MST ON APR 05	2.99 ON APR 05	0 B ON MAR 01	4 460	1989
1990	51.5 AT 02:21 MST ON JUL 04 *	44.7 ON JUL 04 *	0.004B ON MAR 13	50 700	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 200	MEAN

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05FA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	0.743	1.82	2.12	2.53	2.15	0.889	---	---	---	---	1909
1915	---	---	---	0.511	0.552	0.816	2.69	1.38	0.187	0.100	---	---	---	1915
1916	---	---	---	1.41	2.35	2.84	2.87	0.371	0.166	0.286	---	---	---	1916
1924	---	---	---	---	---	---	0.027	0.074	0.040	0.023	0	0	---	1924
1925	0	0	0	0.160	0.417	0.822	0.346	0.164	0.079	0.104	0.109	0.100	0.192	1925
1926	0.127	0.087	0.286	0.452	0.460	0.942	0.725	0.256	0.351	0.570	0.797	0.804	0.490	1926
1927	0.692	0.804	0.777	0.862	1.23	2.10	2.01	0.234	0.198	1.09	0.924	1.02	0.998	1927
1928	1.11	1.58	1.66	1.53	1.42	1.23	1.23	0.313	0.270	0.790	0.519	0.393	1.00	1928
1929	0.401	0.355	0.473	0.533	0.824	0.658	0.341	0.113	0.010	0.003	0	0	0.309	1929
1930	0	0	0	0.001	0.005	0.001	0.017	0.041	0.014	0	0	0	0.007	1930
1931	0	0	0	0	---	---	---	---	---	---	---	---	---	1931
MEAN	0.333	0.404	0.457	0.620	1.01	1.28	1.28	0.510	0.220	0.330	0.336	0.331	0.499	MEAN

LOCATION - LAT 52 57 30 N LONG 113 58 10 W DRAINAGE AREA, 284 km² REGULATED

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05FA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	2.78 ON JUL 10	0 ON APR 01 *	---	1909
1915	---	3.26 ON JUL 20	---	---	1915
1916	---	3.57 ON JUL 17 *	---	---	1916
1924	---	0.227 ON AUG 25	0 ON NOV 01	---	1924
1925	---	0.932 ON JUN 23	0 ON JAN 01	6 060	1925
1926	---	1.23 ON JUN 19	0.068B ON JAN 22	15 400	1926
1927	---	3.28 ON JUL 14	0.139 ON AUG 26	31 500	1927
1928	---	1.78 E ON FEB 10	0.014 ON AUG 28	31 700	1928
1929	---	0.923 ON MAY 25	0 ON SEP 21	9 750	1929
1930	---	0.074 ON AUG 30	0 ON JAN 01	209	1930
1931	---	---	0 ON JAN 01	---	1931
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 800	MEAN

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.615	1.74	1.31	0.231	0.055	1.14	1.49	---	---	---	1910
1911	---	---	---	1.17	6.20	5.92	1.44	1.86	8.72	2.62	---	---	---	1911
1912	---	---	---	2.03	2.39	1.66	1.99	0.516	0.309	0.599	---	---	---	1912
1913	---	---	---	---	4.00	3.63	1.26	0.783	0.381	0.776	---	---	---	1913
1914	---	---	---	1.65	2.83	1.96	0.799	0.595	0.509	2.05	---	---	---	1914
1915	---	---	---	1.57	6.54	9.65	4.75	2.67	1.65	1.95	---	---	---	1915
1916	---	---	---	2.26	3.51	6.20	2.81	0.923	0.663	0.722	---	---	---	1916
1917	---	---	---	1.06	7.53	7.73	1.13	0.241	0.187	0.238	---	---	---	1917
1918	---	---	---	1.09	2.10	1.65	0.406	0.293	0.788	0.484	---	---	---	1918
1919	---	---	0.092	0.742	1.92	0.997	0.166	0.044	0.017	0.326	---	---	0.538	1919
1920	---	---	1.65	1.54	9.96	4.40	1.76	0.276	0.093	0.141	---	---	2.48	1920
1921	---	---	0.150	1.22	2.84	2.51	0.545	0.086	0.215	0.296	---	---	0.978	1921
1922	---	---	0.142	1.07	4.66	3.09	0.990	0.155	0.069	0.126	---	---	1.29	1922
1923	---	---	0.076	0.937	2.88	15.7	2.02	1.13	0.347	0.322	---	---	2.89	1923
1924	---	---	0.300	1.22	2.52	5.44	0.940	1.39	0.434	0.658	---	---	1.60	1924
1925	---	---	0.694	3.73	3.15	2.17	0.397	0.234	0.546	1.80	---	---	1.58	1925
1926	---	---	0.347	1.48	0.883	1.74	0.438	0.207	2.44	2.35	---	---	1.23	1926
1927	---	---	0.712	3.60	12.0	12.9	3.68	1.66	2.60	2.78	---	---	4.97	1927
1928	---	---	1.60	2.56	3.87	5.35	4.30	0.973	0.530	0.577	---	---	2.47	1928
1929	---	---	0.516	1.09	5.01	5.07	0.657	0.155	0.179	0.309	---	---	1.62	1929
1930	---	---	0.928	2.35	4.14	2.95	0.661	0.173	0.166	0.255	---	---	1.45	1930
1931	---	---	0.143	0.371	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.023	0.028	---	---	---	1935
1936	---	---	0.322	1.36	1.63	2.30	---	---	---	---	---	---	---	1936
1965	---	---	---	---	---	---	---	0.415	0.800	0.799	---	---	---	1965
1966	---	---	0.317	1.60	2.97	4.03	1.19	0.372	0.293	0.262	---	---	1.37	1966
1967	---	---	0.091	1.16	11.0	8.17	1.21	0.123	0.010	0.096	---	---	2.83	1967
1968	---	---	0.278	0.628	2.13	2.63	0.828	0.478	1.69	1.73	---	---	1.29	1968
1969	---	---	0.594	2.99	2.47	7.01	3.25	0.124	0.085	0.249	---	---	2.08	1969
1970	---	---	0.072	0.543	4.28	5.00	0.670	0.037	0.102	0.259	---	---	1.36	1970
1971	---	---	0.159	1.06	3.55	2.88	0.628	0.091	0.163	0.405	---	---	1.11	1971
1972	---	---	1.81	2.80	7.36	4.23	1.80	0.526	0.391	0.561	---	---	2.43	1972
1973	---	---	0.311	0.915	2.08	1.13	0.212	0.034	0.072	0.293	---	---	0.630	1973
1974	---	---	0.856	1.54	3.71	4.49	0.835	0.548	0.234	0.215	---	---	1.55	1974
1975	---	---	0.122	1.26	8.40	10.6	2.21	0.656	0.378	0.532	---	---	3.01	1975
1976	---	---	0.610	1.34	2.83	1.74	0.674	1.10	0.233	0.159	---	---	1.08	1976
1977	---	---	0.103	0.326	0.610	0.334	0.043	0.190	0.305	0.170	---	---	0.259	1977
1978	---	---	0.760	0.789	2.93	2.49	1.55	0.408	0.524	0.260	---	---	1.21	1978
1979	---	---	0.603	1.77	3.93	2.06	0.430	0.258	0.108	0.090	---	---	1.15	1979
1980	---	---	0.174	1.12	3.04	2.48	0.337	0.367	0.820	0.404	---	---	1.09	1980
1981	---	---	0.666	1.25	8.84	4.37	1.27	0.370	0.076	0.171	---	---	2.13	1981
1982	---	---	0.145	0.817	1.41	2.70	0.848	0.088	0.058	0.221	---	---	0.780	1982
1983	---	---	0.285	0.609	1.77	1.17	0.394	0.060	0.046	0.080	---	---	0.551	1983
1984	---	---	0.140	0.366	0.984	1.20	0.230	0.071	0.159	0.587	---	---	0.465	1984
1985	---	---	0.303	0.702	1.40	0.933	0.177	0.380	1.56	1.66	---	---	0.886	1985
1986	---	---	1.59	1.83	3.65	2.07	0.373	0.082	0.790	1.40	---	---	1.47	1986
1987	---	---	0.401	2.38	1.97	0.743	2.01	1.09	0.431	0.218	---	---	1.16	1987
1988	---	---	0.200	0.669	1.57	0.847	0.119	0.127	0.179	0.200	---	---	0.488	1988
1989	---	---	0.188	0.907	2.06	2.82	1.11	0.397	0.702	0.402	---	---	1.07	1989
1990	---	---	0.476	1.95	5.96	4.07	1.40	0.444	0.135	0.263	---	---	1.83	1990
MEAN	---	---	0.506	1.41	3.90	3.93	1.20	0.495	0.674	0.679	---	---	1.52	MEAN

LOCATION - LAT 49 29 12 N DRAINAGE AREA, 155 km²
LONG 113 56 49 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1986.

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	2.80 ON MAY 20	---	---	1910
1911	---	30.0 ON SEP 04	---	---	1911
1912	---	4.67 ON APR 11	---	---	1912
1913	---	7.90 ON APR 16	---	---	1913
1914	---	6.06 ON OCT 16	---	---	1914
1915	---	27.6 ON JUN 03	---	---	1915
1916	---	11.2 ON JUL 02	---	---	1916
1917	---	10.1 ON JUN 11	---	---	1917
1918	---	3.09 ON JUN 11	---	---	1918
1919	---	3.82 ON MAY 28	0.003 ON AUG 19	11 400	1919
1920	---	18.6 ON MAY 08	0.031 ON SEP 22	52 600	1920
1921	---	5.21 ON MAY 21	0.001 ON SEP 02 *	20 700	1921
1922	---	9.44 ON MAY 17	0.031 ON SEP 04	27 200	1922
1923	66.5 ON JUN 01	44.2 ON JUN 01	0.042B ON MAR 06	61 200	1923
1924	19.1 AT 12:00 MST ON JUN 07	18.0 ON JUN 07	0.142B ON APR 01	33 900	1924
1925	7.36 AT 08:00 MST ON APR 23	7.08 ON APR 23	0.147 ON AUG 13	33 500	1925
1926	7.76 AT 08:00 MST ON JUN 21	7.08 ON JUN 21	0.130 ON AUG 05	26 000	1926
1927	---	38.2 ON MAY 29	0.147B ON MAR 02	105 000	1927
1928	25.9 AT 08:00 MST ON JUN 18	21.7 ON JUN 18	0.207B ON MAR 01	52 200	1928
1929	23.8 AT 18:00 MST ON JUN 03	21.3 ON JUN 03	0.113 ON SEP 01	34 300	1929
1930	7.36 AT 18:00 MST ON JUN 03	6.94 ON MAY 04	0.076 ON SEP 07	30 700	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	7.56 ON APR 11	---	---	1936
1965	---	---	---	---	1965
1966	15.7 AT 20:00 MST ON JUN 04	12.5 ON JUN 04	0.006B ON MAR 01	29 000	1966
1967	53.0 AT 20:00 MST ON MAY 17	29.4 ON MAY 17	0.003E ON SEP 06	59 800	1967
1968	8.16 AT 22:03 MST ON SEP 25	6.85 ON SEP 25	0.167 ON MAR 11	27 400	1968
1969	49.8 AT 09:15 MST ON JUN 26	34.5 ON JUN 26	0.042 ON SEP 03	44 000	1969
1970	46.4 AT 17:00 MST ON JUN 13	23.1 ON JUN 13	0.004 ON AUG 27	28 900	1970
1971	6.63 AT 15:30 MST ON MAY 31	6.31 ON MAY 31	0.001 ON AUG 28	23 600	1971
1972	40.2 AT 10:40 MST ON MAY 25	19.5 ON MAY 25	0.031B ON MAR 03	51 500	1972
1973	4.33 AT 21:30 MST ON MAY 18	4.11 ON MAY 18	0.013 ON AUG 28	13 300	1973
1974	24.5 B AT 18:40 MST ON MAR 17	9.97 ON MAY 01	0.054B ON MAR 03	32 700	1974
1975	172 AT 02:20 MST ON JUN 20 *	82.4 ON JUN 20 *	0.088B ON MAR 01	63 700	1975
1976	---	4.36 ON MAY 11	0.133 ON OCT 30	23 000	1976
1977	0.818 AT 14:30 MST ON MAY 11	0.767 ON MAY 12	0.005E ON JUL 24	5 490	1977
1978	7.36 AT 21:40 MST ON MAY 31	4.64 ON JUN 01	0.051B ON MAR 03	25 700	1978
1979	5.43 AT 01:40 MST ON MAY 17	5.08 ON MAY 27	0.013B ON MAR 03	24 400	1979
1980	33.7 AT 17:30 MST ON MAY 26	22.0 ON MAY 26	0.063 ON AUG 02	23 100	1980
1981	71.3 AT 08:10 MST ON MAY 22	38.7 ON MAY 22	0.028 ON SEP 19	45 100	1981
1982	4.30 AT 03:20 MST ON JUN 07	3.87 ON JUN 07	0.006 ON SEP 11	16 500	1982
1983	3.72 AT 05:40 MST ON MAY 26	3.56 ON MAY 26	0.011 ON AUG 17	11 700	1983
1984	3.40 AT 06:05 MST ON MAY 16	2.94 ON MAY 16	0.015 ON AUG 28	9 850	1984
1985	8.09 AT 12:40 MST ON SEP 12	5.56 ON SEP 12	0.039 ON AUG 06	18 800	1985
1986	5.48 AT 17:45 MST ON MAY 27	5.19 ON MAY 28	0.033 ON AUG 29	31 100	1986
1987	16.1 AT 20:08 MST ON JUL 22	9.41 ON JUL 23	0.135 ON OCT 31	24 500	1987
1988	2.78 AT 03:40 MST ON MAY 13	2.61 ON MAY 13	0.005 ON JUL 30	10 300	1988
1989	8.98 AT 02:35 MST ON JUN 11	7.68 ON JUN 11	0.036B ON MAR 06	22 600	1989
1990	22.0 AT 05:30 MST ON MAY 29	15.0 ON MAY 29	0.092 ON SEP 25	38 800	1990
				32 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	1.36	0.235	0.440	2.15	0.197	0.019	---	---	---	---	1981
1982	---	---	---	1.82	0.485	0.083	0.390	0.277	0.098	0.035	---	---	0.452	1982
1983	---	---	---	0.530	0.055	0.242	0.716	0.079	0.024	0.036	---	---	0.240	1983
MEAN	---	---	---	1.24	0.258	0.255	1.09	0.184	0.047	0.036	---	---	0.346	MEAN

LOCATION - LAT 54 37 00 N
LONG 113 00 48 W
DRAINAGE AREA, 255 km^2

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	16.9 AT 07:30 MDT ON JUL 21 *	13.3 ON JUL 21 *	0 ON AUG 26 *	---	1981
1982	8.01 AT 18:01 MST ON APR 20	5.46B ON APR 22	0 B ON APR 01	8 350	1982
1983	4.15 AT 19:35 MST ON JUL 21	2.66 ON JUL 22	0.007 ON SEP 01	4 440	1983
				6 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	0.243	0.344	0.059	---	---	---	1966
1967	---	---	0	1.83	7.46	1.29	0.320	0.042	0	0	---	---	1.37	1967
1968	---	---	0.672	0.452	0.311	0.061	0.002	0.002	0.008	0.014	---	---	0.190	1968
1969	---	---	0	5.72	1.04	0.337	0.010	0.053	0.171	0.382	---	---	0.950	1969
1970	---	---	0.107	6.92	1.48	0.395	5.38	5.28	2.02	1.61	---	---	2.90	1970
1971	---	---	0.721	19.1	9.43	5.94	17.8	5.73	4.26	3.61	---	---	8.31	1971
1972	---	---	0	11.5	12.5	2.76	0.838	0.653	0.073	0.373	---	---	3.58	1972
1973	---	---	0.512	1.63	2.77	3.20	2.06	1.90	1.35	2.16	---	---	1.94	1973
1974	---	---	0.033	27.7	18.2	4.58	4.88	2.42	1.78	---	---	---	---	1974
1975	---	---	0.014	3.59	4.81	2.61	6.79	3.68	6.54	2.15	---	---	3.77	1975
1976	---	---	0.349	5.40	1.87	0.857	1.34	0.474	0.376	0.696	---	---	1.41	1976
1977	---	---	0.028	4.64	3.56	2.44	0.916	1.25	1.83	2.34	---	---	2.12	1977
1978	---	---	0.550	7.15	3.67	6.61	2.56	3.01	13.7	7.34	---	---	5.53	1978
1979	---	---	0.415	10.7	11.1	6.25	8.79	5.57	2.89	1.67	---	---	5.91	1979
1980	---	---	0.011	0.699	0.099	0.349	0.743	1.62	1.90	1.78	---	---	0.900	1980
1981	---	---	2.00	4.40	0.449	1.80	3.43	0.818	0.123	0.159	---	---	1.64	1981
1982	---	---	0	3.86	0.860	0.088	1.16	0.985	0.446	0.287	---	---	0.954	1982
1983	---	---	0.013	0.909	0.030	0.539	2.73	0.935	0.463	0.359	---	---	0.749	1983
1984	---	---	0.829	0.745	0.756	1.82	0.267	0.033	0.165	0.183	---	---	0.595	1984
1985	---	---	0.457	8.64	5.34	1.18	0.272	0.012	0.004	0.025	---	---	1.98	1985
1986	---	---	1.71	1.94	0.695	0.339	3.47	2.05	1.19	0.904	---	---	1.54	1986
1987	---	---	0.006	4.90	1.54	1.63	0.808	0.533	0.308	0.140	---	---	1.22	1987
1988	---	---	0.151	0.132	0.186	0.265	0.167	0.026	0.006	0.017	---	---	0.118	1988
1989	---	---	0.004	0.405	0.416	0.539	0.619	0.320	0.046	0.081	---	---	0.304	1989
1990	---	---	0.303	0.882	0.507	0.080	0.053	0.005	0.001	0	---	---	0.228	1990
MEAN	---	---	0.371	5.58	3.71	1.91	2.73	1.51	1.60	1.10	---	---	2.10	MEAN

LOCATION - LAT 54 49 12 N DRAINAGE AREA, 1 450 km²
LONG 112 46 34 W NATURAL FLOW

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	27.5 AT 20:00 MST ON MAY 02	27.3 ON MAY 02	0 B ON MAR 01 *	29 000	1967
1968	---	1.05 B ON MAR 29	0 ON JUN 25	4 030	1968
1969	21.6 AT 04:03 MST ON APR 15	20.0 ON APR 15	0 B ON MAR 01	20 100	1969
1970	---	21.7 B ON APR 14	0.028B ON MAR 01	61 300	1970
1971	73.6 AT 11:00 MST ON APR 21	71.6 ON APR 21	0.382B ON OCT 31	176 000	1971
1972	27.9 AT 09:30 MST ON APR 29	27.5 ON APR 29	0 B ON MAR 01	75 800	1972
1973	---	8.50 E ON JUN 20	0.006B ON MAR 01	41 200	1973
1974	87.2 AT 04:00 MST ON APR 20 *	85.5 ON APR 20 *	---	---	1974
1975	---	13.5 B ON APR 21	0.014B ON MAR 01	79 700	1975
1976	7.96 B AT 08:00 MST ON APR 07	7.73 B ON APR 07	0.031B ON MAR 01	29 800	1976
1977	16.2 B AT 19:30 MST ON APR 09	15.3 B ON APR 10	0.028B ON MAR 01	44 800	1977
1978	31.1 AT 12:30 MST ON SEP 21	30.9 ON SEP 21	0.045B ON MAR 01	117 000	1978
1979	31.6 AT 12:20 MST ON APR 28	31.1 ON APR 28	0.059E ON MAR 01	125 000	1979
1980	2.62 B AT 19:00 MST ON APR 09	2.57 ON SEP 28	0.006B ON MAR 01	19 000	1980
1981	---	11.2 B ON MAR 28	0.028B ON MAR 01	34 700	1981
1982	---	10.7 B ON APR 21	0 B ON MAR 01	20 200	1982
1983	8.13 AT 10:31 MST ON JUL 28	7.93 ON JUL 28	0 B ON MAR 01	15 900	1983
1984	4.42 B AT 05:18 MST ON MAR 27	4.22 ON JUN 09	0.007 ON AUG 05	12 600	1984
1985	21.6 B AT 16:35 MST ON APR 03	20.6 B ON APR 03	0.001B ON MAR 01	41 800	1985
1986	14.2 AT 03:34 MST ON JUL 21	13.6 ON JUL 21	0.010B ON MAR 01	32 700	1986
1987	14.4 B AT 23:40 MST ON APR 06	13.5 B ON APR 06	0.005B ON MAR 01	25 800	1987
1988	0.732 AT 23:30 MST ON JUN 14	0.392 ON JUN 14	0.001 ON SEP 19	2 510	1988
1989	2.00 B AT 18:03 MST ON APR 14	1.67 B ON APR 15	0.003B ON MAR 01	6 430	1989
1990	4.50 B AT 13:19 MST ON MAR 31	4.28 B ON MAR 31	0 ON OCT 16	4 830	1990
				44 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.30	0.939	0.453	0.158	0.147	0.378	---	---	---	1914
1915	---	---	---	0.402	0.116	0.307	0.209	0.139	0.092	0.068	---	---	---	1915
1916	---	---	---	0.153	0.090	0.189	0.107	0.036	0.015	0.014	---	---	---	1916
1917	---	---	---	---	0.027	0.052	0.004	0.001	0.001	0.243	---	---	---	1917
1918	---	---	---	0.235	0.064	0.053	0.016	0.157	0.216	0.195	---	---	---	1918
1919	---	---	---	0.676	0.163	0.001	0.142	0.624	0.156	0.261	---	---	---	1919
1920	---	---	1.48	1.69	1.42	0.804	2.08	0.100	0.011	1.31	---	---	1.12	1920
1921	---	---	0.153	1.70	0.087	1.59	0.472	0.255	0.390	3.68	---	---	1.04	1921
1922	---	---	0.334	1.43	0.937	0.367	0.051	0.011	0.876	1.72	---	---	0.714	1922
1923	---	---	---	0.480	0.717	6.30	4.99	0.465	3.03	0.209	---	---	---	1923
1924	---	---	---	---	0.248	3.34	0.786	0.105	0.082	---	---	---	---	1924
1925	---	---	0.270	0.398	0.662	0.031	0.023	0.027	0.027	---	---	---	---	1925
1926	---	---	---	---	0.616	0.146	0.143	0.058	0.029	0.768	---	---	---	1926
1927	---	---	0.424	0.520	2.57	1.20	0.530	0.835	2.37	0.554	---	---	1.12	1927
1928	---	---	---	0.554	0.321	0.158	2.51	0.932	0.174	0.292	---	---	---	1928
1929	---	---	2.78	1.17	0.136	0.418	0.057	0.008	0.007	0.273	---	---	0.608	1929
1930	---	---	0.483	0.589	0.310	0.031	0.219	0.042	0.031	0.045	---	---	0.219	1930
1931	---	---	0.200	0.182	0.002	0.009	0	0.100	0.003	0	---	---	0.062	1931
1932	---	---	---	---	2.23	1.36	0.442	0.015	0.084	0.714	---	---	---	1932
1933	---	---	---	0.687	0.445	1.29	0.136	0.018	0.715	0.127	---	---	---	1933
1934	---	---	---	0.806	0.058	0.254	0.170	0.030	0.020	0.837	---	---	---	1934
1935	---	---	---	---	0.195	---	0.022	0.010	0.004	0.191	---	---	---	1935
1936	---	---	---	0.507	0.128	1.96	0.008	0.016	0.005	---	---	---	---	1936
1937	---	---	---	0.237	---	2.30	0.003	0.006	0.033	---	---	---	---	1937
1938	---	---	---	0.205	0.024	0.078	0.206	0	0.010	0.040	---	---	---	1938
1939	---	---	0.556	0.261	0.011	0.091	0.017	0.028	0.034	0.106	---	---	0.138	1939
1940	---	---	0.028	0.043	0.026	0.014	0.017	0.021	0.018	0.124	---	---	0.036	1940
1941	---	---	---	---	0.014	0.007	0.005	0.007	0.012	0.127	---	---	---	1941
1942	---	---	0.537	0.197	0.037	0.021	0.030	0.027	0.036	0.027	---	---	0.114	1942
1943	---	---	---	0.268	0.024	0.003	0.003	0.008	0.025	0.006	---	---	---	1943
1944	---	---	0.005	0.119	0.029	0.006	0.003	---	---	---	---	---	---	1944
1945	---	---	0.180	0.074	0.020	0.008	0	0	0	0.003	---	---	0.036	1945
1946	---	---	0.725	0.551	0.214	0.379	0.217	0.011	0.011	0.085	---	---	0.274	1946
1947	---	---	3.00	0.529	0.134	0.027	0.009	0.409	0.931	0.073	---	---	0.642	1947
1948	---	---	1.18	2.05	1.29	1.63	0.086	0.076	0.061	0.049	---	---	0.895	1948
1949	---	---	0.223	0.138	0.011	0.032	0.006	0.006	0.001	0.228	---	---	0.081	1949
1950	---	---	0.888	0.992	0.012	0.013	0.002	0.008	0.006	1.68	---	---	0.452	1950
MEAN	---	---	0.747	0.621	0.408	0.706	0.383	0.132	0.268	0.449	---	---	0.472	MEAN

LOCATION - LAT 49 19 57 N LONG 113 03 52 W DRAINAGE AREA, 207 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1950

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	5.18 ON APR 28	0 ON APR 27 *	---	1916
1917	---	0.708B ON MAR 21	0 ON AUG 17	---	1917
1918	---	---	0 ON JUL 15	---	1918
1919	---	1.56 ON OCT 16	---	---	1919
1920	20.3 E AT 14:00 MST ON JUL 16	---	0 ON JUN 05	---	1920
1921	---	8.75 E ON JUL 18	0 B ON MAR 01	23 600	1921
1922	21.5 AT 17:30 MST ON JUN 25	19.8 E ON JUN 18	0 B ON MAR 07	22 000	1922
1923	12.0 AT 05:00 MST ON JUN 22	7.84 ON APR 22	0 B ON MAR 01	15 100	1923
1924	---	11.5 ON JUN 02	0.011 ON APR 21	---	1924
1925	9.46 AT 17:00 MST ON OCT 11	---	0 ON MAY 31	---	1925
1926	15.8 AT 17:30 MST ON MAY 15	6.88 ON OCT 11	0 B ON MAR 01	---	1926
1927	18.5 AT 21:30 MST ON MAY 21	4.81 ON MAY 15	---	---	1927
1928	19.1 AT 20:00 MST ON JUN 30	17.2 ON MAY 21	0.028B ON APR 19	23 800	1928
1929	9.32B AT 18:30 MST ON MAR 10	13.1 ON JUL 01	---	---	1929
1930	3.91A AT 08:30 MST ON APR 02	6.34 B ON MAR 10	0.003 ON JUN 27	12 900	1930
1931	5.52 AT 16:00 MST ON AUG 29	3.14 A ON APR 02	0 B ON MAR 01	4 630	1931
1932	25.7 AT 21:00 MST ON MAY 21	1.90 ON AUG 29	0 ON APR 25	1 320	1932
1933	25.5 AT 06:30 MST ON JUN 27	12.4 ON MAY 24	0 ON JUL 28	---	1933
1934	8.72 AT 11:45 MST ON OCT 20	20.7 ON JUN 26	0.003 ON AUG 09	---	1934
1935	---	6.34 ON OCT 21	0 ON MAR 28	---	1935
1936	25.5 AT 21:30 MST ON JUN 05	---	0 ON AUG 14	---	1936
1937	48.7 AT 13:00 MST ON JUN 13	24.2 ON JUN 06	0 B ON APR 01	---	1937
1938	21.8 AT 21:30 MST ON JUL 05	30.8 ON JUN 13 *	0 ON MAY 04	---	1938
1939	3.96 AT 01:00 MST ON MAR 20	3.79 ON JUL 06	0 A ON MAY 11	---	1939
1940	4.81 AT 20:00 MST ON OCT 29	3.11 ON MAR 18	0 ON MAR 01	2 930	1940
1941	---	1.98 ON OCT 30	0.006 ON JUN 17	770	1941
1942	---	---	---	---	1942
1943	---	2.27 B ON MAR 15	0 B ON MAR 01	2 420	1943
1944	---	---	0 ON JUN 10	---	1944
1945	---	---	0 B ON MAR 01	---	1945
1946	3.28B AT 18:00 MST ON MAR 13	1.47 B ON MAR 17	0 B ON MAR 01	755	1946
1947	34.0 ON MAR 17	3.11 ON MAY 29	0.003 ON MAY 25	5 790	1947
1948	56.1 AT 03:00 MST ON APR 17 *	16.0 ON MAR 17	0 A ON MAR 01	13 600	1948
1949	4.53 AT 17:00 MST ON OCT 23	25.6 ON JUN 17	0 B ON MAR 01	18 900	1949
1950	19.4 AT 22:45 MST ON APR 01	2.44 ON OCT 23	0 B ON MAR 01	1 710	1950
		10.1 ON OCT 21	0 ON JUN 05	9 570	1950
				9 990	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINTO CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.905	3.81	8.35	1.55	1.62	0.256	0.674	1.69	---	---	2.36	1986
1987	---	---	0.111	5.22	2.05	0.659	0.347	12.6	0.695	0.353	---	---	2.76	1987
1988	---	---	0.239	2.18	0.700	0.27	0.521	0.085	0.057	0.056	---	---	0.877	1988
1989	---	---	0.004	0.782	3.60	1.29	1.90	9.31	3.64	1.67	---	---	2.79	1989
1990	---	---	0.248	2.67	6.61	23.9	1.94	0.207	0.218	0.192	---	---	4.45	1990
MEAN	---	---	0.301	2.93	4.26	6.13	1.27	4.49	1.06	0.792	---	---	2.65	MEAN

LOCATION - LAT 54 50 35 N LONG 119 23 22 W DRAINAGE AREA, 498 km² NATURAL FLOW

PINTO CREEK NEAR GRANDE PRAIRIE - STATION NO. 07GC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	22.0 ON MAY 21	15.5E ON MAY 20	0.090B ON MAR 09	50 000	1986
1987	78.5 ON AUG 02	71.8A ON AUG 02	0.070B ON MAR 10	58 300	1987
1988	21.3 AT 01:00 MST ON JUN 12	17.6 ON JUN 12	0.045 ON SEP 05	18 600	1988
1989	62.7 AT 16:30 MST ON AUG 23	40.5 ON AUG 23	0.001B ON MAR 20 *	59 000	1989
1990	360 AT 06:00 MST ON JUN 12 *	272 A ON JUN 12 *	0.062B ON MAR 11	94 100	1990
				56 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	0.036	0.027	0.058	---	---	---	1979
1980	---	---	0.003	5.23	0.725	0.714	1.24	1.24	3.36	1.31	---	---	1.71	1980
1981	---	---	3.34	1.60	0.740	0.326	0.244	1.21	0.231	0.077	---	---	0.974	1981
1982	---	---	0	8.98	5.86	2.01	5.22	0.533	0.210	0.248	---	---	2.87	1982
1983	---	---	0.517	4.60	0.768	1.06	7.48	0.244	0.020	0.038	---	---	1.84	1983
1984	---	---	0.915	1.01	0.238	0.710	0.084	0.008	0.239	0.147	---	---	0.416	1984
1985	---	---	1.53	11.6	1.40	0.068	0.141	0.050	0.038	0.040	---	---	1.83	1985
1986	---	---	2.86	1.11	2.37	0.337	0.583	0.552	0.026	0.236	---	---	1.01	1986
1987	---	---	0.131	3.47	0.567	0.125	0.036	0.106	0.081	0.018	---	---	0.558	1987
1988	---	---	0.049	0.188	0.066	0.032	0.099	0.075	0.034	0.024	---	---	0.071	1988
1989	---	---	0.027	3.90	1.15	0.310	0.393	0.078	0.083	0.108	---	---	0.748	1989
1990	---	---	1.75	7.10	1.57	1.29	9.29	---	---	---	---	---	---	1990
MEAN	---	---	1.01	4.44	1.40	0.635	2.26	0.376	0.395	0.209	---	---	1.20	MEAN

LOCATION - LAT 53 02 25 N LONG 113 21 54 W DRAINAGE AREA, 1 020 km² NATURAL FLOW

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	11.7 B AT 00:02 MST ON APR 05	10.2 B ON APR 06	0.001B ON MAR 01	36 200	1980
1981	10.4 AT 19:30 MST ON MAR 19	6.60 B ON MAR 17	0.014 ON OCT 23	20 600	1981
1982	45.4 AT 12:20 MST ON APR 24	41.4 B ON APR 25	0 B ON MAR 01 *	60 800	1982
1983	15.0 AT 04:35 MST ON JUL 08	14.8 ON JUL 08	0.001 ON SEP 29	39 000	1983
1984	5.09 AT 15:00 MST ON APR 01	3.96 B ON MAR 25	0.001 ON JUL 27	8 810	1984
1985	28.2 B AT 11:02 MST ON APR 03	23.2 ON APR 07	0.001 ON AUG 29	38 700	1985
1986	---	7.85 B ON MAR 02	0.005 ON SEP 01	21 500	1986
1987	---	7.29 B ON APR 08	0.006B ON MAR 01	11 800	1987
1988	1.48 AT 21:28 MST ON JUL 06	0.926 ON JUL 06	0.001 ON MAY 27	1 500	1988
1989	---	6.10 B ON APR 11	0 B ON MAR 01	15 800	1989
1990	48.1 AT 09:45 MST ON JUL 07 *	45.5 ON JUL 07 *	---	---	1990
				25 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	8.11	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	8.11	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 04 48 N LONG 113 27 55 W DRAINAGE AREA, 299 km² NATURAL FLOW

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	37.7 ON APR 13 *	0B ON APR 01 *	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05FA012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.604	5.32	1.56	0.567	0.153	0.480	0.156	0.146	---	---	1.11	1972
1973	---	---	0.670	4.09	1.34	1.27	3.92	1.74	0.500	0.500	---	---	1.75	1973
1974	---	---	0.041	27.3	12.0	2.44	4.01	0.699	0.721	0.531	---	---	5.92	1974
1975	---	---	0.006	2.00	2.97	0.775	0.094	0.055	0.024	0.017	---	---	0.741	1975
1976	---	---	0.085	1.14	0.149	0.047	0.018	0.006	0.014	0.019	---	---	0.182	1976
1977	---	---	0.029	0.047	0.194	0.058	0.005	0.288	0.024	0.036	---	---	0.086	1977
1978	---	---	0.371	0.433	0.095	0.029	0.011	0.038	0.716	0.493	---	---	0.272	1978
1979	---	---	3.82	3.80	2.20	0.460	0.458	0.044	0.024	0.051	---	---	1.36	1979
MEAN	---	---	0.703	5.52	2.56	0.706	1.08	0.419	0.272	0.224	---	---	1.43	MEAN

LOCATION - LAT 53 02 12 N LONG 113 19 25 W DRAINAGE AREA, 1 030 km^2 NATURAL FLOW

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05FA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	14.2 B ON APR 07	0 B ON MAR 01 *	23 600	1972
1973	18.5 A AT 01:00 MST ON JUL 02	15.8 A ON JUL 02	0.006B ON MAR 01	37 100	1973
1974	98.0 AT 12:20 MST ON APR 23 *	96.0 ON APR 23 *	0.040B ON MAR 01	125 000	1974
1975	---	8.86B ON APR 23	0.004 ON JUL 20	15 700	1975
1976	---	4.96B ON APR 06	0.001 ON SEP 25	3 860	1976
1977	4.59 AT 15:10 MST ON AUG 09	2.80 ON AUG 10	0.003E ON JUL 16	1 810	1977
1978	5.32B AT 08:30 MST ON MAR 29	3.37B ON MAR 29	0.007 ON AUG 02	5 760	1978
1979	12.8 B AT 20:00 MST ON MAR 20	10.1 B ON MAR 20	0.017A ON SEP 17	28 700	1979
				30 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	5.67	2.54	---	---	---	1911
1912	---	0.744	0.394	0.652	7.49	15.8	13.2	14.5	6.36	2.85	4.10	2.73	---	1912
1913	1.21	1.07	0.816	1.55	6.95	21.2	15.1	12.9	8.27	3.67	1.78	1.48	6.36	1913
1914	1.10	0.798	0.819	1.04	8.25	19.3	18.1	8.29	4.82	4.26	1.69	1.01	5.83	1914
1915	1.20	0.762	0.954	2.67	6.82	13.5	16.3	13.7	5.34	3.34	2.01	0.936	5.66	1915
1916	0.661	0.678	0.779	0.770	3.84	23.2	22.5	11.9	7.15	3.18	1.60	0.998	6.44	1916
1917	1.06	0.926	0.909	0.789	7.70	13.7	17.0	6.45	4.65	3.89	1.63	1.25	5.21	1917
1918	0.974	0.586	0.411	1.12	6.34	25.5	14.2	9.25	5.68	3.99	1.40	1.18	5.90	1918
1919	1.54	1.15	0.593	1.26	11.1	16.4	11.6	10.4	5.48	2.02	1.56	1.09	5.38	1919
1920	0.904	0.794	0.601	0.579	3.40	14.6	29.4	10.4	5.16	3.55	---	---	---	1920
1972	---	---	---	---	---	---	---	---	---	3.27	---	---	---	1972
1973	---	---	---	---	9.17	17.6	13.9	8.06	3.67	2.83	---	---	---	1973
1974	---	---	---	---	4.42	27.6	17.3	9.32	4.19	2.42	---	---	---	1974
1975	---	---	---	---	3.72	13.0	14.8	7.24	4.24	2.55	---	---	---	1975
1976	---	---	---	---	12.6	14.5	22.8	14.4	10.3	4.29	---	---	---	1976
1977	---	---	---	---	7.22	16.3	9.32	8.48	5.64	3.34	---	---	---	1977
1984	---	---	---	---	---	---	---	---	8.23	3.59	1.81	1.33	---	1984
1985	1.16	0.881	0.892	1.25	10.1	13.9	11.2	6.90	5.62	3.18	1.75	1.09	4.84	1985
1986	0.915	0.848	0.663	1.24	12.6	33.0	14.7	8.96	4.49	3.37	1.87	1.37	7.02	1986
1987	0.891	1.05	0.903	1.75	12.5	16.2	10.7	7.06	3.89	2.07	1.18	0.878	4.95	1987
1988	0.717	0.749	0.908	2.44	10.3	21.3	13.0	8.37	5.13	4.04	1.37	1.60	5.83	1988
1989	0.929	0.833	0.747	0.897	5.77	19.7	14.3	13.1	6.43	3.27	2.24	1.22	5.81	1989
1990	0.975	1.05	0.908	1.98	9.38	27.1	20.5	9.16	4.06	2.95	2.23	1.28	6.82	1990
MEAN	1.02	0.861	0.753	1.33	7.98	19.2	16.0	10.0	5.66	3.24	1.89	1.30	5.85	MEAN

LOCATION - LAT 51 26 02 N LONG 116 10 20 W DRAINAGE AREA, 306 km^2 REGULATED

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	29.4 ON AUG 24	---	---	1912
1913	---	32.0 ON JUN 10	0.708B ON MAR 19	200 000	1913
1914	---	31.4 ON JUN 17	0.623B ON FEB 05	184 000	1914
1915	---	44.5 ON JUN 26	0.680B ON DEC 30	179 000	1915
1916	---	67.4 ON JUN 19	0.453 ON APR 22	204 000	1916
1917	---	32.3 ON JUL 04	0.566 ON APR 10	164 000	1917
1918	---	81.0 ON JUN 14	0.340B ON MAR 29 *	186 000	1918
1919	---	29.7A ON MAY 27	0.357B ON APR 01	170 000	1919
1920	---	---	---	---	1920
1972	---	---	---	---	1972
1973	42.5 AT 05:00 MST ON JUN 24	39.6 ON JUN 24	---	---	1973
1974	62.3 AT 22:30 MST ON JUN 24	57.2 ON JUN 24	---	---	1974
1975	33.1 AT 23:30 MST ON JUL 04	25.1 ON JUL 05	---	---	1975
1976	54.9 AT 04:00 MST ON JUL 01	49.0 ON JUL 01	---	---	1976
1977	58.3 AT 20:30 MST ON JUN 08	47.3 ON JUN 08	---	---	1977
1984	---	---	---	---	1984
1985	27.9 AT 04:00 MST ON MAY 25	25.5 ON MAY 25 *	0.706B ON FEB 01	153 000	1985
1986	94.1 AT 04:00 MST ON JUN 02	84.8E ON JUN 01 *	0.575B ON MAR 23	222 000	1986
1987	29.9 AT 19:45 MST ON JUN 16	24.6 ON JUN 16	0.363B ON NOV 17	156 000	1987
1988	113 AT 02:03 MST ON JUN 08 *	65.3 ON JUN 08	0.577B ON FEB 22	184 000	1988
1989	37.3 AT 01:47 MST ON JUN 15	32.7 ON JUN 15	0.650B ON MAR 18	183 000	1989
1990	48.6 AT 15:53 MST ON JUN 01	41.9 ON JUN 24	0.780B ON MAR 22	215 000	1990
				185 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.080	0.705	0.795	0.740	0.570	0.261	---	---	0.524	1972
1973	---	---	---	---	0.376	0.880	0.801	0.590	0.303	0.526	---	---	0.579	1973
1974	---	---	---	---	0.030	0.651	0.857	0.915	0.320	0.548	0.007	---	0.554	1974
1975	---	---	---	---	0.328	0.288	0.695	0.673	0.506	0.359	---	---	0.476	1975
1976	---	---	---	---	0.268	0.634	0.621	0.495	0.494	0.368	---	---	0.479	1976
1977	---	---	---	---	0.231	0.531	0.410	0.330	0.379	0.288	---	---	0.360	1977
1978	---	---	---	---	0.049	0.066	0.564	0.649	0.344	0.288	---	---	0.328	1978
1979	---	---	---	---	0.041	0.539	0.536	0.429	0.228	0.226	---	---	0.332	1979
1980	---	---	---	---	0.297	0.245	0.523	0.349	0.172	0.302	---	---	0.316	1980
1981	---	---	---	---	0.202	0.464	0.664	0.593	0.527	0.441	---	---	0.482	1981
1982	---	---	---	---	0.143	0.511	0.763	0.552	0.501	0.161	---	---	0.438	1982
1983	---	---	---	---	0.077	0.486	0.506	0.435	0.224	0.051	---	---	0.296	1983
1984	---	---	---	---	0.176	0.592	0.152	0.199	0.225	0.203	---	---	0.256	1984
1985	---	---	---	---	0.149	0.525	0.192	0.267	0.333	0.144	---	---	0.267	1985
1986	---	---	---	---	0.046	0.653	0.698	0.459	0.640	0.163	---	---	0.441	1986
1987	---	---	---	---	0.349	0.764	0.783	0.563	0.442	0.267	---	---	0.527	1987
1988	---	---	---	---	0.713	0.643	0.791	0.459	0.402	0.271	---	---	0.547	1988
1989	---	---	---	---	0.346	0.554	0.445	0.556	0.515	0.313	---	---	0.454	1989
1990	---	---	---	---	0.387	0.451	0.862	0.713	0.696	0.446	---	---	0.593	1990
MEAN	---	---	---	---	0.226	0.536	0.614	0.525	0.412	0.296	0.007	---	0.434	MEAN

LOCATION - LAT 49 49 49 N
LONG 112 45 43 W
REGULATED

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.04 ON JUL 19	0 ON MAY 05 *	8 330	1972
1973	---	1.43 A ON JUN 01	0 ON MAY 06	9 210	1973
1974	---	1.65 ON AUG 13	0 ON MAY 06	8 810	1974
1975	---	1.82 ON JUL 30	0 ON OCT 30	7 570	1975
1976	---	1.47 ON AUG 05	0 ON MAY 01	7 820	1976
1977	---	0.864 ON JUN 14	0 ON MAY 01	5 730	1977
1978	---	2.53 ON AUG 23 *	0 ON MAY 19	5 220	1978
1979	---	1.01 ON AUG 24	0 ON MAY 20	5 280	1979
1980	---	2.43 ON MAY 24	0 ON MAY 01	5 020	1980
1981	---	1.64 ON JUN 14	0 ON MAY 01	7 660	1981
1982	---	1.85 ON JUL 01	0 ON MAY 02	6 960	1982
1983	---	0.893 ON JUL 04	0 ON MAY 04	4 710	1983
1984	---	1.06 ON JUN 22	0 ON MAY 03	4 070	1984
1985	---	1.37 ON SEP 13	0 ON MAY 05	4 240	1985
1986	---	1.09 ON JUN 25	0 ON MAY 01	7 010	1986
1987	---	1.77 ON JUL 19	0 ON MAY 01	8 380	1987
1988	---	1.58 ON AUG 02	0A ON OCT 31	8 690	1988
1989	---	1.38 ON MAY 29	0 ON MAY 05	7 220	1989
1990	---	1.74 ON MAY 29	0 ON MAY 01	9 420	1990
				6 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	1.00	0.490	0.399	0.260	---	---	---	1931
1932	---	---	---	---	---	5.86	2.01	1.01	0.870	0.547	0.273	0.141	---	1932
1933	0.116	0.094	0.088	0.207	1.56	4.34	1.99	0.751	0.529	0.448	0.265	0.168	0.880	1933
1934	0.133	0.087	0.080	1.08	2.82	2.10	1.07	0.386	0.233	0.211	---	---	---	1934
1935	---	---	---	0.152	0.817	2.65	1.63	0.799	0.302	0.175	---	---	---	1935
1936	---	---	---	---	---	1.97	0.563	0.275	0.213	0.121	0.046	---	---	1936
1937	---	---	---	---	0.953	2.80	1.54	0.598	0.333	0.331	0.279	---	---	1937
1938	---	---	---	---	---	4.18	---	---	---	---	---	---	---	1938
1939	---	---	---	---	---	1.93	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	1.59	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	1.21	---	---	---	---	---	---	---	1941
MEAN	0.125	0.091	0.084	0.480	1.54	2.86	1.40	0.616	0.411	0.299	0.216	0.155	0.880	MEAN

LOCATION - LAT 50 41 42 N, LONG 115 06 50 W DRAINAGE AREA, 63.7 km² NATURAL FLOW

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	11.7 AT 22:00 MST ON JUN 16 *	25.5 ON JUN 02 *	0.085B ON FEB 16	27 800	1933
1934	5.80 AT 24:00 MST ON MAY 28	10.1 ON JUN 16	0.028B ON FEB 18 *	---	1934
1935	4.19 AT 01:00 MST ON JUN 18	5.15 ON MAY 28	---	---	1935
1936	6.23 AT 02:30 MST ON JUN 02	4.05 ON JUN 18	---	---	1936
1937	6.09 AT 22:00 MST ON JUN 16	5.47 ON JUN 02	---	---	1937
1938	7.56 AT 23:00 MST ON MAY 26	5.18 ON JUN 17	---	---	1938
1939	---	---	---	---	1939
1940	2.86 AT 19:00 MST ON MAY 23	---	---	---	1940
1941	---	---	---	---	1941
		---	---	---	
		---	---	27 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.239	0.197	0.467	0.055	0.003	0.004	---	---	---	1979
1980	---	---	---	1.05	0.027	0.063	0.096	0.843	0.761	0.210	---	---	---	1980
1981	---	---	---	0.393	0.048	0.023	0.019	0.040	0.005	0	---	---	---	1981
1982	---	---	---	1.31	0.165	0.055	0.488	0.024	0.016	0.005	---	---	---	1982
1983	---	---	0.034	0.461	0.027	1.52	1.03	0.041	0.016	0.009	---	---	0.389	1983
1984	---	---	0.315	0.245	0.034	0.294	0.003	0	0.002	0.002	---	---	0.111	1984
1985	---	---	0.573	1.30	0.232	0.047	0.004	0	0.001	0.004	---	---	0.268	1985
1986	---	---	0.800	0.344	0.075	0	0.177	0.043	0.029	0.061	---	---	0.192	1986
1987	---	---	---	1.00	0.180	0.041	0.012	0.010	0.097	0.001	---	---	---	1987
1988	---	---	0.004	0.017	0.009	0.100	0.662	0.072	0.001	0.001	---	---	0.109	1988
1989	---	---	---	0.307	0.460	0.066	0.042	0.023	0.015	0.001	---	---	---	1989
1990	---	---	---	0.650	0.345	0.167	0.395	0.006	0	0.002	---	---	---	1990
MEAN	---	---	0.345	0.643	0.153	0.214	0.283	0.096	0.079	0.025	---	---	0.214	MEAN

LOCATION - LAT 53 35 58 N, LONG 113 09 49 W DRAINAGE AREA, 106 km² NATURAL FLOW

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	4.13 AT 12:30 MST ON JUL 14	2.86 ON JUL 14	0 ON SEP 17 *	---	1979
1980	5.03 AT 03:54 MST ON APR 11	3.92 ON APR 11	0 ON MAY 15	---	1980
1981	---	---	0 ON MAY 13	---	1981
1982	6.52 AT 02:52 MST ON APR 24	5.88 ON APR 24	0B ON APR 01	---	1982
1983	16.2 AT 12:23 MST ON JUN 25 *	11.8 ON JUN 26 *	0B ON MAR 01	8 220	1983
1984	1.59 AT 09:30 MST ON MAR 25	1.40 B ON MAR 25	0B ON MAR 01	2 350	1984
1985	5.09 AT 01:55 MST ON APR 02	4.13 ON APR 02	0B ON MAR 01	5 670	1985
1986	2.54 AT 19:55 MST ON MAR 04	1.82 B ON MAR 04	0 ON JUN 01	4 060	1986
1987	3.49 AT 11:15 MST ON APR 05	2.90 B ON APR 04	0 ON JUL 02	---	1987
1988	4.06 AT 14:45 MST ON JUL 06	3.61 ON JUL 07	0B ON MAR 01	2 310	1988
1989	2.53 AT 17:00 MST ON APR 21	0.937 ON MAY 20	0B ON MAR 31	---	1989
1990	4.43 AT 16:50 MST ON JUL 06	1.72 ON JUL 04	0B ON MAR 16	---	1990
				4 520	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.053	0.010	0.001	0.001	0.001	0	0	---	---	---	1981
1982	---	---	---	0.177	0.016	0	0.068	0.001	0	0	---	---	---	1982
1983	---	---	0.003	0.059	0.006	0.265	0.143	0.002	0	0	---	---	0.059	1983
1984	---	---	0.059	0.047	0.016	0.049	0	0	0	0	---	---	0.021	1984
1985	---	---	0.060	0.188	0.037	0.016	0.003	0	0	0	---	---	0.038	1985
1986	---	---	0.142	0.036	0.047	0	0.093	0.020	0.004	0.013	---	---	0.045	1986
1987	---	---	---	0.197	0.032	0.016	0	0	0.008	0	---	---	---	1987
1988	---	---	0.002	0.007	0.009	0.030	0.148	0	0	0	---	---	0.025	1988
1989	---	---	---	0.093	0.066	0.024	0.009	0.008	0.013	0.003	---	---	---	1989
1990	---	---	---	0.091	0.017	0.006	0.140	0.001	0.002	0	---	---	---	1990
MEAN	---	---	0.053	0.095	0.026	0.041	0.061	0.003	0.003	0.002	---	---	0.038	MEAN

LOCATION - LAT 53 34 43 N LONG 113 08 48 W DRAINAGE AREA, 17.8 km² NATURAL FLOW

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.544B ON MAR 16	0 ON MAY 26 *	---	1981
1982	1.17 AT 02:37 MST ON APR 24	1.05 ON APR 24	0B ON APR 01	---	1982
1983	3.51 AT 13:19 MST ON JUN 25 *	2.86 ON JUN 26 *	0B ON MAR 01	1 250	1983
1984	0.434 AT 14:27 MST ON MAR 25	0.303B ON MAR 25	0B ON MAR 01	451	1984
1985	0.822 AT 19:25 MST ON APR 01	0.700 ON APR 02	0B ON MAR 01	798	1985
1986	0.586 AT 16:38 MST ON JUL 19	0.512 ON JUL 19	0 ON MAY 30	950	1986
1987	0.891 AT 01:40 MST ON APR 05	0.764 ON APR 05	0 ON MAY 17	---	1987
1988	0.670 AT 03:40 MST ON JUL 08	0.602 ON JUL 07	0B ON MAR 09	521	1988
1989	0.238 AT 06:59 MST ON MAY 21	0.225 ON MAY 21	0 ON JUN 17	---	1989
1990	0.683 AT 19:16 MST ON JUL 06	0.661 ON JUL 08	0B ON MAR 22	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		794	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.012	0.004	0	0	0	0	0	---	---	---	1981
1982	---	---	---	0.164	0.002	0	0.014	0	0	0	---	---	---	1982
1983	---	---	0.003	0.049	0.003	0.164	0.042	0	0	0	---	---	0.032	1983
1984	---	---	0.044	0.006	0.003	0.018	0	0	0	0	---	---	0.009	1984
1985	---	---	0.096	0.077	0.003	0.002	0	0	0	0	---	---	0.022	1985
1986	---	---	0.121	0.005	0.005	0	0.019	0	0.001	0.002	---	---	0.019	1986
1987	---	---	---	0.094	0.008	0	0	0	0.001	0	---	---	---	1987
1988	---	---	0.003	0.001	0.001	0.007	0.058	0	0	0	---	---	0.009	1988
1989	---	---	---	0.040	0.010	0.001	0.002	0.001	0.003	0	---	---	---	1989
1990	---	---	---	0.019	0.015	0	0.030	0.001	0	0	---	---	---	1990
MEAN	---	---	0.053	0.047	0.005	0.019	0.017	0	0.001	0	---	---	0.018	MEAN

LOCATION - LAT 53 35 36 N LONG 113 09 13 W DRAINAGE AREA, 8.34 km² NATURAL FLOW

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.697B ON MAR 14	0B ON MAR 20 *	---	1981
1982	1.98 AT 23:49 MST ON APR 21	1.26 ON APR 22	0B ON APR 01	---	1982
1983	4.88 AT 14:16 MST ON JUN 25 *	2.75 ON JUN 25 *	0B ON MAR 01	680	1983
1984	0.317 AT 15:10 MST ON MAR 22	0.280B ON MAR 23	0B ON MAR 01	189	1984
1985	0.940 AT 22:28 MST ON APR 01	0.679 ON APR 01	0B ON MAR 01	471	1985
1986	1.33 AT 16:38 MST ON MAR 04	0.789B ON MAR 04	0 ON MAY 28	408	1986
1987	1.28 B AT 23:00 MST ON APR 03	0.753 ON APR 04	0 ON JUN 05	---	1987
1988	0.960 AT 13:31 MST ON JUL 06	0.572 ON JUL 06	0 ON MAR 23	186	1988
1989	0.433B AT 18:03 MST ON APR 04	0.188B ON APR 04	0 ON JUN 04	---	1989
1990	0.450 AT 09:45 MST ON MAY 11	0.295B ON MAR 19	0B ON MAR 22	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		387	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.013	0.002	0.001	0.001	0.005	0.003	0.006	---	---	---	1981
1982	---	---	---	0.024	0.001	0	0.008	0	0	0	---	---	---	1982
1983	---	---	0.001	0.010	0.003	0.044	0.015	0.001	0	0	---	---	0.009	1983
1984	---	---	0.009	0.004	0.007	0.006	0	0	0	0	---	---	0.003	1984
1985	---	---	0.016	0.032	0.003	0.002	0	0	0	0	---	---	0.007	1985
1986	---	---	0.014	0.006	0.004	0	0.005	0	0	0.001	---	---	0.004	1986
1987	---	---	---	0.027	0.002	0.002	0	0	0.002	0	---	---	---	1987
1988	---	---	0.001	0	0	0.001	0.014	0	0	0	---	---	0.002	1988
1989	---	---	---	0.006	0.004	0.002	0.001	0.001	0.004	0.002	---	---	---	1989
1990	---	---	---	0.008	0.003	0.001	0.011	0	0	0.001	---	---	---	1990
MEAN	---	---	0.008	0.013	0.003	0.006	0.006	0.001	0.001	0.001	---	---	0.005	MEAN

LOCATION - LAT 53 35 44 N LONG 113 08 47 W
DRAINAGE AREA, 3.55 km²
NATURAL FLOW

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.091B ON MAR 18	0B ON MAR 23 *	---	1981
1982	0.303 AT 11:05 MST ON APR 21	0.137 ON APR 24	0B ON APR 01	---	1982
1983	0.700 AT 11:30 MST ON JUN 25	0.482 ON JUN 25 *	0B ON MAR 01	193	1983
1984	0.069 AT 19:08 MST ON JUN 06	0.061B ON MAR 22	0B ON MAR 01	68.5	1984
1985	0.193 AT 12:00 MST ON APR 01	0.193 ON APR 01	0B ON MAR 01	142	1985
1986	---	0.178B ON MAR 04	0B ON MAR 12	80.6	1986
1987	0.215B AT 18:45 MST ON APR 02	0.174B ON APR 03	0 ON JUN 17	---	1987
1988	0.916 AT 13:56 MST ON JUL 06 *	0.148 ON JUL 06	0B ON MAR 01	41.5	1988
1989	0.079B AT 09:36 MST ON APR 05	0.045B ON APR 05	0B ON MAR 23	---	1989
1990	0.089 AT 14:21 MST ON JUL 03	0.049 ON JUL 03	0B ON MAR 22	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		105	MEAN

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.498	0.379	0.253	0.141	0.272	0.160	0.346	0.229	---	---	---	1978
1979	---	---	0.313	0.480	0.896	2.48	2.39	2.01	1.33	0.717	0.484	0.332	---	1979
1980	0.270	0.147	0	0.243	2.40	3.14	2.63	2.44	2.17	1.98	---	---	---	1980
MEAN	0.270	0.147	0.270	0.367	1.18	1.92	1.76	1.54	1.28	0.975	0.484	0.332	---	MEAN

LOCATION - LAT 51 05 00 N LONG 115 22 00 W
REGULATED
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.40 AT 15:10 MST ON JUN 20	3.03 ON JUN 20	---	---	1979
1980	4.25 AT 21:10 MST ON JUN 17 *	4.10 ON JUN 17 *	0 ON MAR 01 *	---	1980
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	---	65.9	47.0	32.7	31.0	12.5	---	---	---	1962
1963	---	---	0	17.3	31.5	13.1	24.2	35.5	24.2	16.8	---	---	20.3	1963
1964	---	---	0.314	0.731	40.6	14.2	8.54	24.4	18.9	9.65	---	---	14.7	1964
1965	---	---	0.373	3.40	45.3	16.6	28.7	14.9	5.03	4.59	---	---	14.9	1965
1966	---	---	0.005	0.258	40.0	12.6	17.2	10.8	6.80	4.07	---	---	11.5	1966
1967	---	---	0	0.069	64.0	29.1	26.8	31.6	9.81	14.5	---	---	22.1	1967
1968	---	---	0.158	3.21	34.2	29.0	28.1	12.7	8.23	4.54	---	---	15.0	1968
1969	---	---	0.066	21.6	28.5	25.3	9.45	4.25	3.40	3.23	---	---	11.9	1969
1970	---	---	0	3.66	27.0	17.3	4.37	2.10	2.26	1.93	0.250	0	7.32	1970
1971	0	0	0	7.70	15.3	4.60	4.14	1.29	1.12	1.66	---	---	4.55	1971
1972	---	---	0	1.48	52.6	16.4	10.7	3.69	1.17	0.430	---	---	10.9	1972
1973	---	---	0	1.09	27.9	33.6	58.3	45.6	26.6	7.89	---	---	25.2	1973
1974	---	---	0.959	17.2	54.6	19.5	24.5	14.9	7.91	3.53	---	---	17.9	1974
1975	---	---	0.058	7.90	42.4	42.2	29.8	21.0	19.8	13.6	---	---	22.1	1975
1976	---	---	0.293	24.2	44.3	54.5	26.6	15.7	9.84	4.89	---	---	22.5	1976
1977	---	---	0.081	5.92	33.6	27.4	24.5	15.8	8.70	4.83	---	---	15.1	1977
1978	---	---	0.024	2.35	30.0	29.0	11.1	15.0	21.2	11.1	---	---	14.9	1978
1979	---	---	0.098	0.275	42.4	39.1	14.9	3.73	2.77	1.73	---	---	13.1	1979
1980	---	---	0	2.06	2.09	1.96	2.54	2.19	3.08	3.58	---	---	2.18	1980
1981	---	---	0	1.52	31.5	15.7	10.7	4.54	1.53	1.81	---	---	8.43	1981
1982	---	---	0	0.330	30.2	9.79	4.00	3.40	4.06	1.94	---	---	6.74	1982
1983	---	---	0.060	13.8	38.2	22.7	7.49	3.51	2.49	0.875	---	---	11.1	1983
1984	---	---	0	9.24	11.5	19.8	47.3	48.1	20.2	10.2	---	---	20.8	1984
1985	---	---	1.01	3.09	64.4	14.3	14.3	15.6	16.4	8.22	---	---	17.2	1985
1986	---	---	0.306	2.34	55.3	30.8	28.0	18.7	7.61	3.71	---	---	18.4	1986
1987	---	---	0.555	6.86	62.4	18.9	19.7	10.7	10.3	6.30	---	---	17.0	1987
1988	---	---	0.176	11.4	70.4	40.1	45.2	13.8	5.85	3.24	---	---	23.9	1988
1989	---	---	0.125	3.11	44.5	27.5	13.0	12.6	7.62	5.36	---	---	14.2	1989
1990	---	---	0.842	8.45	34.0	13.9	13.7	8.08	5.80	2.64	---	---	10.9	1990
MEAN	0	0	0.197	6.45	39.2	24.3	20.9	15.4	10.1	5.85	0.250	0	14.8	MEAN

LOCATION - LAT 58 27 53 N DRAINAGE AREA, 2 440 km²
LONG 116 15 23 W NATURAL FLOW

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	118 AT 08:45 MST ON JUN 29	116 ON JUN 29	0 B ON MAR 01 *	431 000	1963
1964	---	90.9 ON JUL 31	0.255B ON MAR 01	311 000	1964
		92.9 B ON MAY 07			
1965	---	108 ON JUL 25	0.283B ON MAR 24	316 000	1965
1966	118 ON MAY 10	113 ON MAY 10	0.003B ON MAR 01	244 000	1966
1967	166 AT 18:00 MST ON MAY 23	161 ON MAY 23	0 B ON MAR 01	468 000	1967
1968	---	73.3 ON JUL 15	0.142B ON MAR 10	318 000	1968
1969	---	71.1 ON APR 21	0.045B ON MAR 11	252 000	1969
1970	---	47.3 ON MAY 31	0 B ON MAR 01	155 000	1970
1971	---	45.3 B ON APR 26	0 B ON MAR 01	96 200	1971
1972	103 ON MAY 11	99.7 ON MAY 11	0 B ON MAR 01	230 000	1972
1973	131 AT 03:00 MST ON JUL 28	125 ON JUL 28	0 B ON MAR 01	533 000	1973
1974	126 AT 21:00 MST ON MAY 10	122 ON MAY 10	0.929B ON MAR 22	379 000	1974
1975	---	75.3 ON JUN 29	0.042B ON APR 09	467 000	1975
1976	134 ON MAY 01	123 ON MAY 01	0.255B ON MAR 01	475 000	1976
1977	115 AT 04:00 MST ON MAY 14	108 ON MAY 14	0.065B ON MAR 21	319 000	1977
1978	63.4 B AT 00:00 MST ON MAY 01	60.0 ON MAY 02	0.014B ON MAR 03	316 000	1978
1979	112 AT 06:00 MST ON MAY 29	111 ON MAY 29	0.090B ON MAR 01	277 000	1979
1980	8.11 AT 10:30 MST ON OCT 03	7.31 ON OCT 04	0 B ON MAR 01	46 200	1980
1981	55.5 AT 18:30 MST ON MAY 06	54.6 ON MAY 06	0 B ON MAR 01	179 000	1981
1982	60.2 AT 15:00 MST ON MAY 17	57.8 ON MAY 17	0 B ON MAR 01	143 000	1982
1983	59.7 AT 15:00 MST ON APR 26	59.1 ON APR 26	0.030B ON APR 06	235 000	1983
1984	201 AT 07:00 MST ON AUG 09 *	198 ON AUG 09 *	0 B ON MAR 01	441 000	1984
1985	144 AT 08:00 MST ON MAY 09	141 ON MAY 09	0.595B ON MAR 04	365 000	1985
1986	122 AT 18:30 MST ON MAY 13	108 ON MAY 14	0.205B ON MAR 21	389 000	1986
1987	195 AT 23:30 MST ON MAY 03	188 ON MAY 04	0.500B ON MAR 04	360 000	1987
1988	---	153 E ON JUL 02	0.148B ON MAR 01	505 000	1988
1989	84.3 AT 06:00 MST ON MAY 02	82.2 ON MAY 02	0.120B ON APR 02	302 000	1989
1990	66.6 AT 15:00 MST ON MAY 07	64.5 ON MAY 07	0.700B ON MAR 01	232 000	1990
				314 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PONY CREEK NEAR CHARD - STATION NO. 07CE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.783	0.441	2.22	0.475	0.465	---	---	---	1982
1983	---	---	0.037	0.522	0.396	1.41	2.64	1.66	1.37	0.745	---	---	1.10	1983
1984	---	---	0.047	1.00	2.19	2.49	1.98	0.464	0.449	0.962	---	---	1.20	1984
1985	---	---	0.058	1.82	5.44	0.980	0.471	0.217	0.686	0.789	---	---	1.31	1985
1986	---	---	0.067	0.457	3.23	0.524	3.10	0.950	0.213	0.233	---	---	0.852	1986
1987	---	---	0.020	0.863	0.826	0.785	0.301	0.556	0.255	0.198	---	---	0.473	1987
1988	---	---	0.006	0.406	0.706	0.799	4.36	0.745	0.297	0.220	---	---	0.948	1988
1989	---	---	0.023	0.188	1.20	2.36	1.52	0.694	0.748	0.982	---	---	0.963	1989
1990	---	---	0.053	2.38	3.91	2.57	0.321	0.035	0.075	0.158	---	---	1.18	1990
MEAN	---	---	0.039	0.955	1.99	1.41	1.68	0.838	0.508	0.528	---	---	1.00	MEAN

LOCATION - LAT 55 51 55 N LONG 110 55 00 W
DRAINAGE AREA, 278 km²
NATURAL FLOW

PONY CREEK NEAR CHARD - STATION NO. 07CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	6.49 AT 12:43 MST ON JUL 28	5.73A ON AUG 05	---	---	1983
1984	8.25 AT 23:36 MST ON MAY 21	5.86 ON JUL 27 8.10 ON MAY 22	0.033B ON MAR 01 0.040B ON MAR 11	23 200 25 300	1984
1985	26.0 E AT 10:58 MST ON MAY 06 *	24.4 E ON MAY 06 *	0.010B ON MAR 04	27 700	1985
1986	9.56 AT 15:14 MST ON JUL 19	9.28 ON JUL 19	0.056B ON MAR 05	18 000	1986
1987	2.22B AT 17:49 MST ON APR 26	1.62 ON JUN 07	0.013B ON MAR 11	10 000	1987
1988	13.4 AT 21:13 MST ON JUL 14	12.0 ON JUL 15	0.001B ON MAR 29	20 100	1988
1989	4.85 AT 03:22 MST ON JUN 12	3.47 ON JUN 12	0 B ON MAR 01 *	20 400	1989
1990	11.1 AT 22:38 MST ON APR 25	10.4 ON APR 26	0.005A ON AUG 12	25 000	1990
				21 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	0.017	0.014	0.270	0.906	0.426	3.08	1.30	0.031	0.204	0.813	0.252	0.063	0.682	1973
1974	0.016	0.006	0.010	2.49	1.64	0.844	0.577	0.341	0.120	0.163	0.109	0.055	0.531	1974
1975	0.012	0.001	0.002	0.300	1.25	1.11	1.21	0.696	1.34	0.808	0.190	0.028	0.582	1975
1976	0	0	0	0.722	0.225	0.085	0.349	2.76	5.84	2.52	0.546	0.025	1.10	1976
1977	0.003	0.009	0.475	2.42	2.31	2.80	1.76	0.616	0.211	0.884	0.327	0.022	0.989	1977
1978	0	0	0.010	0.434	2.31	1.38	0.630	0.691	9.21	4.04	1.42	0.043	1.68	1978
1979	0.011	0.003	0.013	1.12	9.93	2.55	0.738	1.00	2.83	1.60	1.35	0.237	1.79	1979
1980	0.004	0	0.006	0.859	0.606	0.718	0.114	5.54	3.90	2.42	0.723	0.157	1.26	1980
1981	0.089	0.024	0.182	0.615	1.70	0.477	0.615	0.133	0.026	0.149	0.135	0.018	0.350	1981
1982	0	0	0	0.879	3.92	0.904	0.311	0.520	0.472	0.347	0.261	0.130	0.651	1982
1983	0.010	0.003	0.023	1.59	1.85	0.931	0.321	0.162	0.174	0.178	0.041	0.006	0.442	1983
1984	0	0.001	0.050	0.794	0.568	5.99	1.97	0.500	0.285	1.08	0.573	0.033	0.983	1984
1985	0	0	0.097	1.69	8.36	1.24	0.460	0.080	0.137	0.771	0.501	0.028	1.13	1985
1986	0	0	0.030	1.57	3.89	2.22	3.54	3.75	0.347	0.227	0.113	0.040	1.32	1986
MEAN	0.012	0.004	0.083	1.17	2.78	1.74	0.993	1.26	1.80	1.14	0.467	0.063	0.964	MEAN

LOCATION - LAT 56 54 50 N LONG 111 27 35 W
DRAINAGE AREA, 151 km²
REGULATED SINCE 1976

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	5.78 AT 00:00 MST ON APR 22	5.49 ON JUN 17 5.32 ON APR 24	0 B ON MAR 16 * 0.006B ON FEB 16 0.006B ON FEB 03	21 500 16 700	1974
1975	---	---	---	---	1975
1976	17.8 AT 12:30 MST ON AUG 30	3.20 ON JUL 18	0 B ON DEC 29	18 400	1976
1977	5.95 AT 11:00 MST ON APR 21	17.3 ON AUG 30	0 B ON JAN 01	34 600	1977
1978	15.5 AT 20:30 MST ON SEP 12	5.61 ON OCT 13	0 B ON DEC 30	31 200	1978
1979	14.0 AT 19:50 MST ON MAY 15	15.2 ON SEP 12 13.7 ON MAY 16	0 B ON JAN 01 0 B ON FEB 01	52 900 56 600	1979
1980	11.7 AT 03:05 MST ON AUG 10	11.5 ON AUG 10	0 B ON JAN 16	39 800	1980
1981	3.30 AT 09:45 MST ON APR 28	2.93 ON APR 30	0 B ON FEB 10	11 000	1981
1982	7.39B AT 06:11 MST ON APR 27	6.02 ON MAY 02	0 B ON JAN 01	20 500	1982
1983	3.72 AT 15:55 MST ON MAY 11	3.20E ON APR 18	0 B ON DEC 21	13 900	1983
1984	12.3 AT 08:23 MST ON JUN 07	12.2 ON JUN 06	0 B ON JAN 01	31 100	1984
1985	26.1 AT 14:41 MST ON MAY 08 *	22.9 ON MAY 08 *	0 B ON JAN 01	35 500	1985
1986	9.29 AT 18:00 MST ON AUG 04	8.70 ON AUG 02	0 B ON JAN 01	41 800	1986
				30 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.060	0.078	0.112	0.109	---	---	---	1980
1981	---	---	0.037	0.203	0.102	0.147	0.168	0.055	0.027	0.047	---	---	0.098	1981
1982	---	---	0.022	0.222	0.223	0.072	0.198	0.384	0.041	0.038	---	---	0.150	1982
1983	---	---	0.025	0.055	0.025	0.517	0.758	0.134	0.016	0.036	---	---	0.196	1983
1984	---	---	0.008	0.036	0.095	0.365	0.164	0.029	0.079	0.126	---	---	0.112	1984
1985	---	---	0.035	0.510	0.267	0.067	0.031	0.016	0.015	0.030	---	---	0.120	1985
1986	---	---	0.029	0.103	0.167	0.099	1.61	0.146	0.038	0.091	---	---	0.287	1986
1987	---	---	0.028	0.219	0.106	0.106	0.041	0.045	0.043	0.025	---	---	0.076	1987
1988	---	---	0.027	0.085	0.088	0.073	1.11	0.108	0.062	0.070	---	---	0.204	1988
1989	---	---	0	0.084	0.265	0.205	0.170	0.027	0.030	0.045	---	---	0.103	1989
1990	---	---	0.015	0.142	0.204	0.130	0.121	0.028	0.030	0.041	---	---	0.088	1990
MEAN	---	---	0.023	0.166	0.154	0.178	0.403	0.095	0.045	0.060	---	---	0.143	MEAN

LOCATION - LAT 54 43 20 N DRAINAGE AREA, 57.2 km²
LONG 113 34 25 W

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	0.698A ON JUN 24	0.015B ON MAR 01	2 070	1981
1982	1.36 AT 21:08 MST ON AUG 04	1.33 ON AUG 05	0.013 ON JUL 06	3 190	1982
1983	8.36 AT 20:19 MST ON JUN 25	3.07 ON JUN 27	0.003 ON MAY 16	4 150	1983
1984	3.15 AT 00:15 MST ON JUN 10	1.03 ON JUN 10	0 B ON MAR 01 *	2 370	1984
1985	1.10 AT 16:49 MST ON MAY 07	0.945 ON APR 27	0.008 ON SEP 11	2 550	1985
1986	10.1 AT 03:04 MST ON JUL 19 *	9.46 ON JUL 18 *	0.028B ON MAR 07	6 080	1986
1987	---	0.550B ON APR 07	0.016 ON OCT 10	1 610	1987
1988	6.23 AT 23:47 MST ON JUL 07	5.36 ON JUL 07	0.002B ON MAR 01	4 320	1988
1989	1.96 AT 08:58 MST ON MAY 29	0.944 ON MAY 29	0 B ON MAR 01	2 180	1989
1990	0.543 AT 03:26 MST ON APR 25	0.477A ON MAY 01	0.005B ON MAR 01	1 870	1990
				3 040	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.388	2.56	1.50	0.202	0.311	0.176	0.953	---	---	---	1919
1920	---	---	---	5.70	5.23	1.77	5.82	1.88	1.79	2.01	---	---	---	1920
1921	---	---	0.536	0.904	1.32	1.42	2.16	0.774	0.259	1.19	---	---	---	1921
1922	---	---	0.393	2.36	2.58	2.35	4.89	0.777	0.036	0.569	---	---	---	1922
1923	---	---	0.370	0.428	2.53	4.49	4.33	0.778	3.73	0.344	---	---	---	1923
1924	---	---	0.120	2.50	2.20	4.22	1.75	0.594	0.342	0.293	---	---	---	1924
1925	---	---	4.17	1.36	1.57	3.32	4.16	0.767	0.492	---	---	---	---	1925
1926	---	---	0.014	0.313	0.024	1.56	0.741	0.174	0.714	4.20	---	---	---	1926
1927	---	---	---	0.880	8.31	2.85	2.74	2.67	2.32	1.52	---	---	---	1927
1928	---	---	---	1.90	0.759	5.57	4.58	0.675	0.879	1.10	---	---	---	1928
1929	---	---	4.96	3.04	2.35	4.66	1.77	0.005	0.010	0.439	---	---	---	1929
1930	---	---	1.36	1.56	2.19	2.00	0.946	0.069	1.07	2.28	---	---	---	1930
1931	---	---	0.433	0.550	1.66	2.03	0.118	0.123	0.499	0.134	---	---	---	1931
1932	---	---	---	2.21	1.80	1.77	0.850	0.223	---	0.909	---	---	---	1932
1933	---	---	---	1.62	2.33	1.90	1.74	0.294	0.707	0.480	---	---	---	1933
1934	---	---	---	0.556	2.07	3.27	1.18	0.078	0.118	0.367	---	---	---	1934
1935	---	---	0.568	1.50	2.48	1.42	1.30	0.608	0.047	0.278	---	---	---	1935
1936	---	---	2.43	4.11	4.24	1.64	0.125	0	0.017	0.004	---	---	---	1936
1937	---	---	0.139	1.35	2.49	5.68	1.26	0.055	0.054	0.305	---	---	---	1937
1938	---	---	0.696	1.72	3.14	2.33	2.13	0.138	0.402	0.102	---	---	---	1938
1939	---	---	---	1.57	3.83	5.31	1.60	0.026	0.049	0.283	---	---	---	1939
1940	---	---	0.673	1.97	2.92	1.36	0.029	0.002	0.044	0.485	---	---	---	1940
1941	---	---	0.092	0.512	1.94	2.14	0.659	0.028	0.684	3.85	---	---	---	1941
1942	---	---	0.274	2.11	3.75	4.47	2.69	1.94	2.59	1.30	---	---	---	1942
1943	---	---	1.38	1.36	2.57	2.34	4.54	1.06	0.355	0.261	---	---	---	1943
1944	---	---	0.114	0.389	0.224	3.11	0.259	0.058	0.034	0.076	---	---	---	1944
1945	---	---	---	0.374	0.813	3.02	1.19	0.014	0.040	0.150	---	---	---	1945
1946	---	---	0.698	0.127	0.262	3.75	1.81	0.084	0.337	2.02	---	---	---	1946
1947	---	---	8.66	1.72	0.528	3.95	1.51	2.42	4.99	7.29	---	---	---	1947
1948	---	---	1.94	4.73	2.84	4.21	1.41	0.816	0.291	0.276	---	---	---	1948
1949	---	---	0.291	0.369	0.653	1.13	0.300	0.060	0.057	0.255	---	---	---	1949
1950	---	---	1.74	1.47	4.52	1.87	3.04	1.20	0.404	7.85	---	---	---	1950
1951	---	---	3.52	0.377	10.1	23.0	21.3	14.2	16.1	23.4	---	---	---	1951
1952	---	---	---	0.985	3.23	3.07	3.94	4.76	3.83	0.219	---	---	---	1952
1953	---	---	1.54	1.01	2.17	15.0	3.63	0.915	1.65	0.973	0.082	---	3.46	1953
1954	---	---	0.185	0.602	0.785	0.452	0.495	4.24	3.34	0.400	---	---	---	1954
1955	---	---	0.562	2.08	4.71	1.07	0.772	0.273	0.549	2.76	---	---	---	1955
1956	---	---	0.880	0.522	0.520	0.991	0.739	0.445	3.26	5.28	---	---	---	1956
1972	---	---	---	---	0.308	0.581	0.670	0.650	0.698	0.476	---	---	---	1972
1973	---	---	---	---	0.264	0.569	0.434	0.773	0.736	0.631	0.708	---	0.587	1973
1974	---	---	---	---	0.328	0.173	0.592	0.773	0.721	2.10	3.23	---	1.13	1974
1975	---	---	---	---	3.22	2.81	0.406	0.408	0.260	6.92	0.109	---	2.03	1975
1976	---	---	---	---	0.399	0.746	0.373	0.843	0.405	0.627	---	---	---	1976
1977	---	---	---	---	0.482	0.533	0.442	0.456	0.292	0.781	0.733	---	0.532	1977
1978	---	---	---	---	0.329	0.288	0.588	1.27	1.61	1.13	0.138	---	0.767	1978
1979	---	---	---	---	1.38	0.509	0.545	0.899	0.345	0.472	1.32	---	0.783	1979
1980	---	---	---	---	0.700	0.431	0.461	0.443	0.407	0.632	---	---	---	1980
1981	---	---	---	---	0.615	0.630	0.616	0.483	0.386	0.997	3.59	---	1.04	1981
1982	---	---	---	---	0.229	0.658	0.849	0.461	0.423	0.360	3.59	0.675	0.930	1982
1983	---	---	---	---	0.188	0.431	0.694	0.583	0.399	2.00	0.173	---	0.643	1983
1984	---	---	---	---	0.430	0.695	0.620	0.711	0.619	0.519	0.319	---	0.559	1984
1985	---	---	---	---	0.244	0.450	0.572	0.476	0.585	1.54	0.699	---	0.654	1985
1986	---	---	---	---	0.321	0.422	0.517	0.595	0.584	1.85	0.648	---	0.708	1986
1987	---	---	---	---	0.507	0.559	0.666	0.596	0.291	1.94	0.094	---	0.669	1987
1988	---	---	---	---	0.581	0.556	0.422	0.574	0.534	1.26	0.406	---	0.620	1988
1989	---	---	---	---	0.479	0.649	0.810	0.611	0.400	1.33	0.998	---	0.755	1989
1990	---	---	---	---	0.540	0.565	1.04	0.752	0.726	0.907	1.14	---	0.810	1990
MEAN	---	---	1.38	1.51	1.93	2.60	1.81	1.01	1.12	1.81	1.06	0.675	0.981	MEAN

LOCATION - LAT 49 33 52 N LONG 112 49 40 W DRAINAGE AREA 772 km² REGULATED SINCE 1919

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	11.9 E ON JUN 10	---	---	1919
1920	---	17.5 ON JUL 16	---	---	1920
1921	15.6 AT 18:30 MST ON JUL 02	8.04 ON OCT 23	---	---	1921
1922	21.2 AT 06:30 MST ON JUN 29	15.9 ON JUN 24	---	---	1922
1923	14.7 AT 01:00 MST ON JUN 22	10.7 ON JUN 22	---	---	1923
1924	15.0 AT 22:30 MST ON JUL 26	10.9 ON JUN 07	---	---	1924
1925	---	20.2 E ON JUL 05	---	---	1925
1926	22.7 AT 08:00 MST ON JUN 20	13.5 ON JUN 20	0 A ON MAY 01 *	---	1926
1927	65.7 AT 09:00 MST ON MAY 30	51.3 ON MAY 30	---	---	1927
1928	32.6 AT 02:00 MST ON JUL 02	29.7 ON JUL 02	---	---	1928
1929	31.1 AT 05:45 MST ON MAR 11	12.5 ON JUN 27	0 ON AUG 15	---	1929
1930	---	20.9 E ON JUN 19	---	---	1930
1931	20.0 AT 11:00 MST ON MAY 17	13.6 ON MAY 08	0 ON JUL 17	---	1931
1932	15.0 E AT 11:50 MST ON MAY 22	11.3 E ON MAY 22	0 ON JUL 19	---	1932
1933	18.2 AT 12:00 MST ON JUL 09	12.2 ON JUL 09	---	---	1933
1934	14.4 AT 01:00 MST ON JUN 07	13.0 ON JUN 07	0 ON JUL 20	---	1934
1935	18.6 AT 17:30 MST ON APR 16	7.99 ON AUG 25	0 A ON JUL 15	---	1935
1936	19.2 AT 14:00 MST ON JUN 29	15.3 ON JUN 29	0 ON JUL 18	---	1936
1937	42.5 AT 06:00 MST ON JUN 13	31.1 ON JUN 13	0 ON AUG 16	---	1937
1938	---	10.1 ON MAY 18	---	---	1938
1939	11.2 AT 01:00 MST ON MAY 24	8.75 ON JUN 14	0 ON SEP 23	---	1939
1940	---	4.56 ON JUN 09	0 ON AUG 06	---	1940
1941	7.70 AT 23:00 MST ON JUN 01	6.94 ON JUN 02	0 ON JUL 22	---	1941
1942	11.4 AT 12:00 MST ON JUN 06	10.5 ON JUN 06	---	---	1942
1943	11.7 AT 18:00 MST ON JUL 10	11.3 ON JUL 10	---	---	1943
1944	10.1 AT 20:30 MST ON JUN 05	7.08 ON JUN 05	---	---	1944
1945	5.95 AT 10:30 MST ON JUN 05	5.52 ON JUN 05	0 ON SEP 02	---	1945
1946	13.5 AT 16:00 MST ON JUN 07	10.2 ON JUN 07	---	---	1946
1947	53.0 AT 00:45 MST ON MAR 18	11.5 ON SEP 24	---	---	1947
1948	27.9 AT 09:00 MST ON JUN 18	20.9 ON JUN 18	---	---	1948
1949	6.14 AT 20:00 MST ON MAY 17	2.97 ON MAY 18	---	---	1949
1950	---	25.4 ON OCT 27	---	---	1950
1951	94.9 AT 04:00 MST ON JUN 25 *	66.5 ON JUN 25 *	---	---	1951
1952	13.3 AT 14:45 MST ON SEP 09	12.6 ON SEP 09	0 ON MAY 08	---	1952
1953	61.4 A AT 12:00 MST ON JUN 09	56.6 A ON JUN 09	0.062E ON NOV 20	63 900	1953
1954	11.4 AT 12:45 MST ON SEP 27	10.6 ON SEP 26	---	---	1954
1955	17.2 AT 06:00 MST ON MAY 19	15.0 ON MAY 19	---	---	1955
1956	---	10.5 A ON JUN 17	---	---	1956
1972	---	1.16 ON JUL 19	---	---	1972
1973	---	2.25B ON NOV 01	0.034A ON MAY 12	10 800	1973
1974	---	6.60 ON OCT 30	0.040 ON JUN 06	20 800	1974
1975	28.9 AT 07:30 MST ON JUN 21	25.8 ON JUN 21	0.028B ON NOV 30	37 600	1975
1976	18.9 AT 16:00 MST ON AUG 06	9.20 ON AUG 06	---	---	1976
1977	2.97 AT 15:50 MST ON OCT 29	2.94 ON OCT 29	0.025B ON NOV 16	9 830	1977
1978	15.9 AT 03:10 MST ON AUG 23	10.9 ON SEP 13	0.040B ON NOV 18	14 200	1978
1979	---	8.60 ON AUG 24	0.020B ON NOV 30	14 500	1979
1980	---	3.44 ON MAY 26	---	---	1980
1981	---	6.04 ON OCT 30	0.110 ON MAY 04	19 200	1981
1982	---	8.88B ON NOV 25	0.099 ON NOV 03	17 200	1982
1983	7.29 AT 17:50 MST ON JUL 19	3.59 ON OCT 18	0.040B ON NOV 25	11 900	1983
1984	---	1.55 ON JUL 31	0.040B ON NOV 26	10 300	1984
1985	---	3.55 ON OCT 30	0.046 ON MAY 15	12 100	1985
1986	---	4.99 ON OCT 26	0.078B ON NOV 13	13 100	1986
1987	---	3.86 ON OCT 22	0.020B ON NOV 30	12 400	1987
1988	---	2.78 ON OCT 21	0.044B ON NOV 26	11 500	1988
1989	---	3.94 ON NOV 01	0.080B ON NOV 26	14 000	1989
1990	---	2.31 ON MAY 30	0.036B ON NOV 25	15 000	1990
				18 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH - STATION NO. 05AE011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.050	0	---	---	---	---	---	---	---	1914
1915	---	---	---	0.383	0.461	2.20	0.515	0.404	0.174	0.002	---	---	---	1915
1916	---	---	2.47	0.293	1.59	2.08	0.667	0.906	1.62	0.487	---	---	---	1916
1917	---	---	---	3.55	1.47	1.16	0.149	0.048	0.324	0.460	---	---	1.26	1917
1918	---	---	---	---	0.127	0.020	0	0	0	---	---	---	---	1918
1919	---	---	---	0.123	0.149	0.010	---	---	---	---	---	---	---	1919
1920	---	---	---	3.39	2.42	0.092	0.039	0	---	---	---	---	---	1920
1921	---	---	---	0.580	0.099	0.012	0.005	0	0	0	---	---	---	1921
1922	---	---	---	1.32	0.493	0.037	0	0	---	---	---	---	---	1922
1923	---	---	---	---	0.082	0.499	0.002	0	0	---	---	---	---	1923
1924	---	---	---	0.773	0.030	0.347	0.015	---	---	---	---	---	---	1924
1925	---	---	0.511	0.782	0.053	0	---	---	---	---	---	---	---	1925
1927	---	---	0.281	0.746	5.65	1.41	0.980	0.503	1.06	0.602	---	---	---	1927
1928	---	---	---	1.57	0.380	1.48	2.95	0.476	0.261	0.380	---	---	1.41	1928
1929	---	---	---	2.43	0.985	1.11	0.123	0	0	0.026	---	---	---	1929
1930	---	---	1.35	0.955	0.546	0.074	0.043	0	0	0	---	---	0.371	1930
1931	---	---	0.208	0.116	0.028	0.002	---	---	---	---	---	---	---	1931
1932	---	---	---	0.343	0.213	0.019	---	---	---	---	---	---	---	1932
1933	---	---	---	---	0.246	---	---	---	---	---	---	---	---	1933
1934	---	---	---	0.081	0	0.087	---	---	---	---	---	---	---	1934
1935	---	---	---	1.39	0.126	---	---	---	---	---	---	---	---	1935
1936	---	---	1.09	1.29	0.013	---	---	---	---	---	---	---	---	1936
1937	---	---	---	1.28	0.128	0.911	0.002	0	0	0	---	---	---	1937
1938	---	---	0.359	0.752	0.204	0.057	0.045	---	---	---	---	---	---	1938
1939	---	---	0.166	0.003	0	0.018	---	---	---	---	---	---	---	1939
1940	---	---	---	0.676	0.088	0	0	0	0	---	---	---	---	1940
1941	---	---	---	0	0	0	0	0	---	---	---	---	---	1941
1942	---	---	0.183	0.774	0.191	0.621	0.082	0.043	0	0	---	---	0.234	1942
1943	---	---	---	0.678	0.055	0.023	0	0	0	0	---	---	---	1943
1944	---	---	---	0.035	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1945
1946	---	---	0.523	0.055	0	0	0	0	0	0	---	---	0.073	1946
1947	---	---	4.00	1.09	0.071	0.109	0.007	0	0	0	---	---	0.663	1947
1948	---	---	0.924	3.79	1.37	2.46	0.067	0	0	0	---	---	1.06	1948
1949	---	---	0.057	0.068	0.285	0.422	2.34	4.00	1.27	0.021	0.211	---	1.06	1949
1950	---	---	0.222	0.168	0.042	0.045	0.056	0.139	5.46	1.27	0.407	---	0.914	1950
1951	---	---	0.353	0.119	2.67	10.3	9.27	6.42	2.03	4.87	---	---	4.51	1951
MEAN	---	---	0.794	0.897	0.549	0.753	0.643	0.518	0.555	0.427	0.309	---	1.05	MEAN

LOCATION - LAT 49 22 36 N LONG 112 53 21 W DRAINAGE AREA, 374 km² NATURAL FLOW

POTHOLE CREEK NEAR MAGRATH - STATION NO. 05AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	11.3 ON MAR 17	0 ON SEP 29 *	---	1915
1916	---	9.03 ON MAR 10	0.031 ON AUG 08	26 700	1916
1917	---	---	0 ON JUL 25	---	1917
1918	---	---	0 ON JUN 22	---	1918
1919	---	---	0 ON APR 29	---	1919
1920	33.7 AT 23:30 MST ON MAY 17	11.6 B ON APR 12	0 ON JUL 02	---	1920
1921	7.39 AT 04:00 MST ON APR 02	4.13 ON APR 02	0 ON JUN 20	---	1921
1922	---	5.24 E ON APR 21	0 ON APR 19	---	1922
1923	---	---	0 ON JUL 05	---	1923
1924	7.22 AT 04:00 MST ON APR 07	4.70 ON APR 07	0 ON MAY 08	---	1924
1925	---	2.55 A ON MAR 29	0 B ON MAR 01	---	1925
1927	---	---	---	---	1927
1928	15.0 AT 17:30 MST ON JUL 02	39.6 E ON MAY 30 *	0.034 ON MAY 16	29 800	1928
1929	11.9 AT 09:30 MST ON JUN 02	14.2 ON JUL 01	---	---	1929
1930	---	7.36 ON JUN 02	0 ON JUL 30	---	1930
1931	---	---	---	---	1931
1932	---	7.08 B ON MAR 21	0 ON JUL 02	7 850	1932
1933	---	---	0 ON JUN 04	---	1933
1934	---	---	0 ON JUN 18	---	1934
1935	16.1 AT 15:00 MST ON APR 16	9.15 ON APR 16	0 ON JUN 08	---	1935
1936	20.1 AT 05:30 MST ON APR 11	12.9 ON APR 11	0 ON APR 15	---	1936
1937	23.6 AT 23:30 MST ON JUN 12	15.2 ON JUN 13	0 ON MAY 28	---	1937
1938	8.72 AT 04:30 MST ON APR 10	6.06 ON APR 10	0 ON MAY 11	---	1938
1939	4.81 AT 19:00 MST ON MAR 20	1.93 ON MAR 20	0 ON JUL 08	---	1939
1940	2.97 AT 15:00 MST ON APR 24	2.61 ON APR 24	0 E ON JUL 21	---	1940
1941	---	---	0 A ON MAR 01	---	1941
1942	6.74 AT 09:00 MST ON APR 03	4.02 ON APR 03	0 ON MAY 23	---	1942
1943	---	---	0 ON MAR 25	---	1943
1944	---	---	0 B ON MAR 01	4 950	1944
1945	---	0.057E ON MAR 12	0 ON MAY 31	---	1945
1946	1.95 AT 06:45 MST ON MAR 23	1.23 B ON MAR 03	0 ON APR 14	---	1946
1947	---	19.8 B ON MAR 16	0 ON MAR 01	30.0	1947
1948	12.4 AT 21:30 MST ON APR 17	11.1 ON APR 19	0 E ON APR 27	1 540	1948
1949	6.17 AT 15:30 MST ON JUL 11	5.89 ON JUL 12	0 B ON MAR 01	14 000	1949
1950	12.4 AT 12:00 MST ON SEP 24	11.8 ON SEP 23	0 B ON MAR 01	22 900	1950
1951	39.4 AT 15:00 MST ON JUN 24 *	28.1 ON JUN 25	0 ON JUL 24	52 500	1951
			0.014B ON MAR 09	19 400	MEAN
				95 400	
				22 200	

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	3.91	7.33	4.30	5.01	3.78	1.86	---	---	---	1914
1915	---	---	---	0.647	2.81	6.04	4.17	2.96	1.66	1.90	---	---	---	1915
1916	---	---	2.07	0.703	4.00	5.05	4.65	5.44	5.35	1.62	---	---	3.61	1916
1917	---	---	---	9.10	2.84	3.57	2.26	1.14	1.29	1.97	---	---	---	1917
MEAN	---	---	2.07	3.48	3.39	5.50	3.85	3.64	3.02	1.84	---	---	3.61	MEAN

LOCATION - LAT 49 26 40 N LONG 112 49 48 W DRAINAGE AREA, 542 km² REGULATED

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON OCT 10 *	---	1914
1915	---	---	---	---	1915
1916	---	19.4 ON MAR 17	---	---	1916
1917	---	36.8 ON JUN 28 *	0.057B ON MAR 03	76 400	1917
		26.6E ON APR 08	---	---	
				76 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.202	0.271	0.107	0.206	0.006	---	---	---	1976
1977	---	---	---	0	0.248	0.436	0.685	0.245	0.227	0.072	---	---	0.274	1977
1978	---	---	---	0	0.002	0.037	0.069	0.119	---	---	---	---	---	1978
1979	---	---	---	0	0.046	0.357	0.462	0.456	0.226	0.105	---	---	0.237	1979
1980	---	---	---	0	0.114	0.124	0.392	0.242	0.244	0.099	---	---	0.174	1980
1981	---	---	---	0	0	0.175	0.435	0.274	0.300	0.194	---	---	0.197	1981
1982	---	---	---	0	0.024	0.419	0.373	0.578	0.209	0.101	---	---	0.244	1982
1983	---	---	---	0.001	0.090	0.705	0.618	0.461	0.231	0.017	---	---	0.303	1983
1984	---	---	---	0	0.201	0.616	0.900	0.407	0.074	0.011	---	---	0.317	1984
1985	---	---	---	0	0.094	0.835	1.02	0.339	0.076	0.002	---	---	0.339	1985
1986	---	---	---	0	0.084	0.575	0.815	0.472	0.290	0	---	---	0.320	1986
1987	---	---	---	0	0.381	0.728	0.731	0.296	0.290	0.133	---	---	0.366	1987
1988	---	---	---	0.136	0.783	0.897	0.796	0.550	0.418	0.006	---	---	0.513	1988
1989	---	---	---	0	0.274	0.281	0.709	0.434	0.149	0.135	---	---	0.285	1989
1990	---	---	---	0	0.030	0.178	0.697	0.571	0.319	0.168	---	---	0.282	1990
MEAN	---	---	---	0.010	0.169	0.438	0.598	0.370	0.233	0.075	---	---	0.296	MEAN

LOCATION - LAT 49 22 37 N LONG 112 53 52 W REGULATED

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	0.949 ON JUN 03	0 ON JUN 16 *	---	1976
1977	---	0.867 ON JUL 26	0E ON APR 01	5 070	1977
1978	---	0.320 ON AUG 12	0E ON APR 01	---	1978
1979	---	0.817 ON JUL 31	0 ON APR 01	4 370	1979
1980	---	0.465 ON AUG 07	0A ON APR 01	3 220	1980
1981	---	0.532 ON JUL 29	0 ON APR 01	3 650	1981
1982	---	0.761 ON AUG 10	0E ON APR 01	4 510	1982
1983	---	0.825 ON JUN 30	0 ON APR 01	5 600	1983
1984	---	1.13 ON JUL 21	0 ON APR 01	5 850	1984
1985	---	1.38 ON JUL 10 *	0 ON APR 01	6 260	1985
1986	---	0.908 ON JUL 07	0 ON APR 01	5 910	1986
1987	---	1.07 ON JUL 15	0 ON APR 01	6 770	1987
1988	---	1.25 ON JUN 28	0 ON APR 01	9 480	1988
1989	---	0.878 ON JUL 09	0 ON APR 01	5 270	1989
1990	---	0.984 ON AUG 03	0 ON APR 01	5 220	1990
				5 480	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.045	0.064	0.011	0.083	0	0	0	0	---	---	0.025	1970
1971	---	---	0.441	0.135	0.012	0.049	0	0	0	0	---	---	0.080	1971
1972	---	---	2.68	0.541	0.079	0.003	0	0	0	0	---	---	0.415	1972
1973	---	---	0.061	0.005	0.001	0	0	0	0	0	---	---	0.008	1973
1974	---	---	0.369	0.040	0.342	0.001	0	0	0	0	---	---	0.095	1974
1975	---	---	0	1.64	0.455	0.679	0.005	0	0	0.019	---	---	0.344	1975
1976	---	---	0.333	0.083	0.030	0.063	0.003	0.221	0	0	---	---	0.092	1976
1977	---	---	0.030	0.249	0.002	0	0	0	0	0	---	---	0.035	1977
1978	---	---	1.75	0.190	0.142	0.022	0.633	0.271	0.452	0.049	---	---	0.442	1978
1979	---	---	1.69	0.517	0.304	0.039	0.001	0.003	0.001	0.013	---	---	0.322	1979
1980	---	---	0.192	0.111	0.071	0.034	0	0	0	0	---	---	0.051	1980
1981	---	---	0.031	0.024	1.33	0.650	0.030	0.008	0	0.028	---	---	0.263	1981
1982	---	---	0.124	0.496	0.045	0.018	0.006	0	0	0	---	---	0.085	1982
1983	---	---	0.001	0.011	0.026	0	0	0	0	0	---	---	0.005	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.067	0.005	0.003	0	0	0	0	0	---	---	0.009	1986
1987	---	---	0	0	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0.448	0.079	0	0	0	0	0	0	---	---	0.066	1989
1990	---	---	0.010	0	0.059	0.008	0	0	0	0	---	---	0.010	1990
MEAN	---	---	0.394	0.200	0.139	0.079	0.032	0.024	0.022	0.005	---	---	0.112	MEAN

LOCATION - LAT 49 33 50 N DRAINAGE AREA, 227 km²
LONG 112 57 32 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971 AND 1986

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.991 AT 18:47 MST ON JUN 18	0.807 ON JUN 18	0B ON MAR 01 *	531	1970
1971	---	2.01 ON MAR 30	0 ON JUL 06	1 690	1971
1972	23.9 AT 02:00 MST ON MAR 12	17.3 B ON MAR 11 *	0B ON MAR 01	8 790	1972
1973	---	0.430B ON MAR 01	0 ON MAY 14	177	1973
1974	4.19 B AT 13:00 MST ON MAR 12	2.38 B ON MAR 12	0B ON MAR 01	2 010	1974
1975	15.2 AT 17:40 MST ON JUN 20	9.12 ON APR 28	0B ON MAR 01	7 290	1975
1976	14.6 B AT 10:00 MST ON MAR 17	3.91 B ON MAR 17	0B ON MAR 07	1 950	1976
1977	3.26 AT 22:20 MST ON APR 06	2.48 ON APR 07	0 ON MAY 07	731	1977
1978	26.0 AT 20:15 MST ON MAR 20 *	13.2 ON MAR 20	0B ON MAR 01	9 350	1978
1979	---	5.89 B ON MAR 08	0B ON MAR 01	6 820	1979
1980	---	1.30 B ON MAR 01	0B ON MAR 06	1 080	1980
1981	19.9 AT 08:25 MST ON MAY 23	14.1 ON MAY 23	0 ON AUG 23	5 570	1981
1982	7.05 AT 18:45 MST ON APR 12	4.60 ON APR 12	0B ON MAR 01	1 800	1982
1983	0.141 AT 14:45 MST ON MAY 01	0.136 ON MAY 01	0A ON MAR 01	101	1983
1984	---	0 ON MAR 01	0 ON MAR 01	0	1984
1985	0.043 AT 04:45 MST ON MAR 17	0.025 ON MAR 17	0B ON MAR 01	3.89	1985
1986	0.823 AT 12:05 MST ON FEB 27	0.331 ON MAR 01	0 ON MAY 31	201	1986
1987	---	0 ON MAR 01	0 ON MAR 01	0	1987
1988	---	0 ON MAR 01	0 ON MAR 01	0	1988
1989	9.80 AT 13:50 MST ON MAR 29	6.08 ON MAR 29	0E ON MAR 01	1 400	1989
1990	1.59 AT 00:30 MST ON MAY 26	0.616 ON MAY 26	0 ON MAR 30	205	1990
				2 370	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	3.97	2.28	1.35	1.18	0.868	0.735	---	---	---	1973
1974	---	---	0.331	1.28	6.37	3.63	2.24	1.15	1.18	1.41	---	---	2.20	1974
1975	---	---	0.335	0.466	1.58	1.43	1.13	0.819	0.572	0.427	---	---	0.845	1975
1976	---	---	0.272	0.765	0.868	1.35	0.893	1.53	0.870	0.552	---	---	0.886	1976
1977	---	---	0.304	0.891	6.15	4.13	1.54	1.64	1.86	0.977	---	---	2.06	1977
1978	---	---	0.366	1.23	3.49	4.60	3.26	2.60	3.11	1.40	---	---	2.50	1978
1979	---	---	0.555	1.33	1.79	1.47	0.791	0.719	0.436	0.403	---	---	0.935	1979
1980	---	---	0.211	1.38	1.87	4.73	2.50	1.35	1.28	0.845	---	---	1.76	1980
1981	---	---	0.384	0.551	5.84	2.25	7.88	4.68	1.50	1.13	---	---	3.05	1981
1982	---	---	0.065	0.742	1.87	2.10	5.66	1.63	1.00	1.01	---	---	1.77	1982
1983	---	---	0.361	1.02	2.60	1.76	3.00	0.747	0.575	0.616	---	---	1.34	1983
1984	---	---	0.330	0.624	0.731	3.03	0.534	0.324	0.825	1.13	---	---	0.934	1984
1985	---	---	0.367	0.748	0.984	1.06	0.736	1.70	3.70	1.89	---	---	1.39	1985
1986	---	---	0.475	0.723	3.82	2.66	8.04	2.46	2.68	3.27	---	---	3.03	1986
1987	---	---	0.553	0.933	0.766	0.787	1.80	1.88	0.964	0.665	---	---	1.05	1987
1988	---	---	0.334	0.733	0.428	0.608	1.02	1.61	1.51	1.22	---	---	0.933	1988
1989	---	---	0.236	0.699	2.62	1.83	2.86	3.96	3.92	1.35	---	---	2.18	1989
1990	---	---	0.748	1.56	4.11	8.77	3.80	1.95	1.10	0.885	---	---	2.85	1990
MEAN	---	---	0.366	0.922	2.77	2.64	2.72	1.77	1.55	1.11	---	---	1.75	MEAN

LOCATION - LAT 52 15 10 N DRAINAGE AREA, 208 km²
LONG 115 17 30 W NATURAL FLOW

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	7.62 ON MAY 27	---	---	1973
1974	---	10.8 ON MAY 25	0.300B ON MAR 01	46 600	1974
1975	---	2.74A ON MAY 07	0.198B ON APR 06	17 900	1975
1976	4.19 AT 20:30 MST ON AUG 16	3.74 ON AUG 17	0.252B ON MAR 01	18 800	1976
1977	22.8 AT 19:00 MST ON MAY 29	17.1 ON MAY 29	0.283B ON MAR 16	43 600	1977
1978	15.4 AT 01:10 MST ON MAY 31	13.0 ON MAY 31	0.300B ON MAR 01	53 000	1978
1979	5.04B AT 03:00 MST ON APR 28	4.00B ON APR 27	0.370E ON OCT 31	19 800	1979
1980	20.9 AT 10:30 MST ON JUN 05	19.0 ON JUN 05	0.200B ON MAR 01	37 300	1980
1981	29.5 AT 16:50 MST ON JUL 24	23.2 ON JUL 24	0.300B ON MAR 20	64 500	1981
1982	26.6 AT 05:09 MST ON JUL 05	24.8 ON JUL 05	0.010B ON MAR 01 *	37 400	1982
1983	11.4 AT 14:38 MST ON JUL 03	8.73 ON JUL 03	0.296B ON MAR 06	28 400	1983
1984	17.0 AT 13:50 MST ON JUN 09	16.1 ON JUN 09	0.243B ON MAR 11	19 800	1984
1985	18.9 AT 10:39 MST ON SEP 13	16.7 ON SEP 13	0.305B ON MAR 06	29 500	1985
1986	62.0 AT 21:52 MST ON JUL 17 *	36.3 ON JUL 18 *	0.450B ON MAR 18	64 100	1986
1987	3.26 AT 09:18 MST ON JUL 26	3.05 ON JUL 26	0.365B ON MAR 28	22 200	1987
1988	7.39 AT 07:27 MST ON AUG 17	6.60 ON AUG 17	0.240B ON MAR 05	19 800	1988
1989	9.92 AT 11:17 MST ON AUG 03	8.88 ON AUG 03	0.200B ON MAR 17	46 200	1989
1990	35.5 AT 02:25 MST ON JUN 12	27.1 ON JUN 12	0.205B ON MAR 27	60 400	1990
				37 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0.179	0.433	1.03	1.26	4.26	1.12	0.635	0.359	---	---	1.48	1969
1970	---	---	0.195	0.273	1.27	2.75	1.29	0.432	0.396	0.321	---	---	1.07	1970
1971	---	---	0.172	0.433	1.14	2.10	1.00	0.404	0.338	0.277	---	---	0.873	1971
1972	---	---	0.109	0.359	1.11	4.90	2.00	0.838	0.939	0.809	---	---	1.75	1972
1973	---	---	---	---	2.31	1.52	0.946	0.757	0.528	0.413	---	---	1.08	1973
MEAN	---	---	0.164	0.375	1.37	2.51	1.90	0.710	0.567	0.476	---	---	1.25	MEAN

LOCATION - LAT 52 14 40 N, LONG 115 18 05 W
DRAINAGE AREA, 95.6 km²
NATURAL FLOW

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	19.7 AT 08:17 MST ON JUL 05	18.4 ON JUL 05	0.354 ON JUN 18	23 600	1969
1970	25.3 AT 14:00 MST ON JUN 16	15.9 ON JUN 16	0.201 ON OCT 31 *	17 000	1970
1971	7.36E ON JUN 08	4.96E ON JUN 08	0.235 ON OCT 28	13 900	1971
1972	45.9 AT 15:00 MST ON JUN 25 *	40.5 ON JUN 25 *	0.323 ON SEP 04	27 900	1972
1973	4.47 AT 01:30 MST ON MAY 28	4.22 ON MAY 27	0.368E ON SEP 08	17 200	1973
				19 900	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	2.03	2.03	4.65	2.44	2.11	---	---	---	1922
1923	---	---	---	2.72	3.75	19.4	11.6	10.3	5.10	3.88	---	---	---	1923
1924	---	---	---	1.96	5.56	4.29	2.65	3.20	2.43	2.34	---	---	---	1924
1925	---	---	---	3.72	2.51	6.40	3.07	12.0	12.9	11.0	---	---	---	1925
1951	---	---	---	---	---	---	---	---	14.3	7.97	---	---	---	1951
1952	---	---	3.15	9.91	5.85	23.9	14.3	7.53	5.58	3.95	---	---	---	1952
1953	---	---	2.46	4.32	7.57	13.4	10.8	8.55	5.71	4.03	---	---	---	1953
1954	---	---	3.07	4.47	17.9	24.8	8.07	18.4	22.3	10.2	---	---	---	1954
1955	---	---	1.91	4.41	13.6	13.8	7.47	4.32	3.50	3.12	---	---	---	1955
1956	---	---	2.06	4.17	3.45	4.07	4.60	3.34	2.76	2.13	---	---	---	1956
1957	---	---	1.17	6.66	7.24	6.16	4.22	4.37	4.29	3.28	---	---	---	1957
1958	---	---	1.65	4.43	6.17	6.39	8.94	3.95	3.40	3.25	---	---	---	1958
1959	---	---	1.95	3.02	2.90	12.5	9.95	4.30	3.71	3.74	---	---	---	1959
1960	---	---	2.35	4.55	8.15	6.90	5.53	2.88	2.10	1.88	---	---	---	1960
1961	---	---	1.83	2.13	5.81	2.46	2.49	2.56	2.36	2.29	0.743	1.32	---	1961
1962	1.20	1.64	1.06	2.30	5.03	3.45	4.16	5.15	3.29	2.77	2.09	1.39	2.80	1962
1963	1.32	1.28	1.09	4.69	5.71	7.81	11.9	9.04	6.52	3.57	1.51	0.805	4.63	1963
1964	0.888	0.972	0.399	1.88	17.7	12.3	6.92	3.42	4.72	3.68	2.30	1.39	4.73	1964
1965	1.42	1.50	1.47	4.25	6.59	22.7	21.6	8.47	13.7	8.63	5.53	2.54	8.22	1965
1966	2.17	2.45	2.92	3.54	4.58	5.15	8.09	5.54	5.11	4.34	1.52	2.09	3.97	1966
1967	1.86	1.62	1.59	1.89	8.12	11.6	5.94	3.73	2.39	2.17	2.26	1.79	3.76	1967
1968	1.65	2.18	2.16	2.10	3.38	4.07	6.37	5.09	3.56	3.51	2.31	1.70	3.18	1968
1969	1.41	1.69	2.38	3.89	5.79	5.67	21.8	8.69	4.90	4.24	3.44	3.57	5.66	1969
1970	1.70	1.43	1.49	2.46	7.56	15.1	10.6	3.95	3.32	3.20	1.49	1.68	4.51	1970
1971	1.35	1.12	1.66	7.31	6.15	10.8	5.84	3.03	2.52	2.27	1.87	1.47	3.78	1971
1972	1.26	1.18	1.65	2.79	5.15	17.2	12.8	5.58	5.97	5.12	3.86	2.26	5.40	1972
1973	2.06	1.80	1.96	4.54	11.2	8.30	6.15	4.63	3.77	3.15	2.06	2.03	4.32	1973
1974	1.44	1.55	1.54	4.72	16.6	11.2	8.03	5.31	4.40	4.96	3.30	2.15	5.47	1974
1975	1.81	1.60	1.62	2.82	5.67	4.35	3.56	2.57	2.13	1.81	1.29	1.40	2.56	1975
1976	1.37	1.48	1.51	5.94	2.49	3.96	2.64	4.97	2.93	2.12	2.00	1.73	2.51	1976
1977	1.41	1.43	1.42	5.11	11.1	8.13	4.68	4.56	5.00	3.71	2.40	2.11	4.02	1977
1978	1.55	1.57	1.52	3.81	6.67	10.4	7.44	7.21	8.10	5.32	4.00	3.05	5.07	1978
1979	2.10	1.88	2.48	3.07	5.00	3.64	2.54	2.33	1.66	1.53	0.984	1.31	2.38	1979
1980	1.04	0.976	1.10	3.45	3.82	9.73	6.73	4.65	4.39	2.98	2.38	2.24	3.62	1980
1981	1.66	1.47	2.32	1.99	8.52	6.68	16.4	14.6	6.35	4.52	3.38	2.18	5.89	1981
1982	1.62	1.48	1.50	9.11	4.46	4.88	14.8	6.19	4.38	4.07	3.12	2.25	4.84	1982
1983	1.50	1.37	1.73	5.88	6.40	4.44	7.76	2.88	2.33	2.20	1.91	1.38	3.33	1983
1984	1.24	1.38	1.54	2.38	2.32	6.72	2.00	1.31	3.27	3.09	1.90	1.41	2.37	1984
1985	1.17	1.01	1.53	2.83	2.32	2.60	1.85	3.64	8.19	4.92	3.12	2.17	2.95	1985
1986	2.02	1.85	2.96	2.91	10.0	6.61	24.2	9.09	10.2	11.3	6.39	3.79	7.67	1986
1987	1.03	2.81	2.46	3.56	2.68	2.47	4.48	4.68	2.94	2.36	2.08	1.43	2.92	1987
1988	1.20	0.951	1.43	2.83	1.40	1.80	2.73	3.86	4.06	3.46	1.98	1.83	2.30	1988
1989	1.75	1.49	1.54	3.63	5.60	4.47	5.90	8.81	9.26	5.22	4.23	3.01	4.59	1989
1990	2.54	1.72	2.43	5.65	10.3	25.1	13.9	6.81	4.14	3.61	3.03	2.05	6.78	1990
MEAN	1.61	1.55	1.85	3.85	6.73	9.02	8.08	5.82	5.37	4.05	2.62	1.98	4.28	MEAN

LOCATION - LAT 52 16 20 N DRAINAGE AREA, 859 km²
LONG 114 55 50 W NATURAL FLOW

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	15.4 ON AUG 17	---	---	1922
1923	58.9 AT 20:00 MST ON JUN 24	57.5 ON JUN 24	---	---	1923
1924	---	11.8 ON MAY 03	---	---	1924
1925	43.9 AT 17:45 MST ON AUG 17	42.5 ON AUG 17	---	---	1925
1951	---	---	---	---	1951
1952	94.3 AT 17:00 MST ON JUN 24	86.1 ON JUN 24	---	---	1952
1953	---	28.3 ON JUN 04	---	---	1953
1954	94.6 AT 09:00 MST ON AUG 27	94.0 ON AUG 26	---	---	1954
1955	---	36.8 ON JUN 01	---	---	1955
1956	---	8.41B ON APR 16	---	---	1956
1957	---	18.4 ON APR 30	---	---	1957
1958	---	17.9 ON JUL 02	---	---	1958
1959	---	43.6 ON JUN 29	---	---	1959
1960	---	22.5 ON MAY 19	---	---	1960
1961	---	9.63 ON MAY 05	---	---	1961
1962	17.4 AT 01:00 MST ON MAY 16	17.1 ON MAY 16	0.663B ON MAR 23	88 400	1962
1963	42.2 AT 03:00 MST ON JUL 17	36.8 ON JUL 17	0.467B ON NOV 19	146 000	1963
1964	109 AT 04:00 MST ON MAY 08	90.0 ON MAY 08	0.255B ON MAR 25 *	149 000	1964
1965	68.8 AT 05:00 MST ON JUN 30	65.4 ON JUN 30	1.20 B ON MAR 16	259 000	1965
1966	32.3 AT 13:00 MST ON JUL 04	29.7 ON JUL 04	0.340B ON NOV 07	125 000	1966
1967	22.0 AT 08:00 MST ON JUN 01	21.2 ON JUN 01	1.23 B ON MAR 14	118 000	1967
1968	22.5 AT 19:32 MST ON JUL 21	20.4 ON JUL 22	1.36 B ON JAN 12	101 000	1968
1969	69.4 AT 19:13 MST ON JUL 06	67.4 ON JUL 06	1.36 B ON JAN 23	179 000	1969
1970	70.5 AT 18:29 MST ON JUN 17	64.8 ON JUN 17	1.02 B ON NOV 05	142 000	1970
1971	24.9 AT 10:00 MST ON JUN 10	24.0 ON JUN 10	1.06 B ON FEB 07	119 000	1971
1972	116 E AT 21:00 ON JUN 26 *	102 E ON JUN 26	1.10 B ON FEB 23	171 000	1972
1973	20.4 AT 23:30 MST ON MAY 28	19.4 ON MAY 28	1.75 B ON FEB 07	136 000	1973
1974	23.5 AT 22:20 MST ON MAY 21	23.0 ON MAY 20	1.25 B ON JAN 30	172 000	1974
1975	11.6 AT 11:00 MST ON MAY 08	11.2 ON MAY 08	1.22 B ON NOV 21	80 800	1975
1976	11.6 AT 19:00 MST ON AUG 09	9.77 ON AUG 17	1.13 B ON JAN 27	79 400	1976
1977	38.2 AT 19:00 MST ON MAY 30	34.0 ON MAY 30	1.26 ON MAY 03	127 000	1977
1978	22.4 E AT 01:00 MST ON JUN 01	19.0 E ON JUN 01	1.33 B ON MAR 06	160 000	1978
1979	8.43 AT 21:00 MST ON APR 29	7.93 ON APR 29	0.690B ON NOV 01	75 100	1979
1980	28.1 AT 10:00 MST ON JUN 06	27.0 ON JUN 06	0.850B ON JAN 26	115 000	1980
1981	54.8 AT 15:00 MST ON JUL 31	49.5 ON JUL 31	1.32 ON MAY 04	186 000	1981
1982	---	41.2 A ON JUL 06	1.24 B ON MAR 02	153 000	1982
1983	18.5 AT 14:38 MST ON JUL 04	17.3 ON JUL 04	1.20 B ON JAN 25	105 000	1983
1984	26.1 AT 13:54 MST ON JUN 10	25.3 ON JUN 10	0.957 ON AUG 29	75 000	1984
1985	32.6 AT 04:55 MST ON SEP 14	30.3 ON SEP 14	0.890B ON FEB 09	92 900	1985
1986	112 AT 07:33 MST ON JUL 19	104 ON JUL 19 *	1.69 B ON FEB 22	242 000	1986
1987	7.56 AT 05:52 MST ON JUL 23	7.28 ON JUL 23	1.27 B ON DEC 17	92 000	1987
1988	14.4 AT 04:55 MST ON AUG 18	13.3 ON AUG 18	0.870B ON FEB 11	72 700	1988
1989	20.5 AT 09:02 MST ON AUG 04	19.4 ON AUG 04	1.29 B ON FEB 22	145 000	1989
1990	64.4 AT 08:47 MST ON JUN 13	59.9 ON JUN 13	1.12 B ON MAR 11	214 000	1990
				135 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.016	0.075	0.036	0.055	0.070	0.010	0.003	0.010	---	---	0.034	1981
1982	---	---	0	0.126	0.070	0.012	0.034	0.038	0.019	0.018	---	---	0.039	1982
1983	---	---	0.002	0.047	0.021	0.024	0.247	0.048	0.003	0.012	---	---	0.051	1983
1984	---	---	0.016	0.056	0.061	0.119	0.015	0.008	0.012	0.013	---	---	0.037	1984
1985	---	---	0.018	0.161	0.319	0.219	0.101	0.054	0.041	0.030	---	---	0.118	1985
1986	---	---	0.013	0.084	0.055	0.016	0.069	0.059	0.006	0.011	---	---	0.039	1986
1987	---	---	0.010	0.193	0.070	0.070	0.010	0.009	0.009	0.005	---	---	0.046	1987
1988	---	---	0.005	0.009	0.005	0.015	0.011	0.004	0	0.001	---	---	0.006	1988
1989	---	---	0.001	0.036	0.019	0.005	0.002	0.001	0.001	0.018	---	---	0.010	1989
1990	---	---	0.004	0.053	0.015	0.006	0.013	0.002	0.008	0.004	---	---	0.013	1990
MEAN	---	---	0.009	0.084	0.067	0.054	0.057	0.023	0.010	0.012	---	---	0.039	MEAN

LOCATION - LAT 54 32 20 N LONG 111 13 40 W
DRAINAGE AREA, 395 km^2
NATURAL FLOW

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.131 AT 14:10 MST ON JUN 22	0.123 ON JUL 09	0 B ON MAR 01 *	723	1981
1982	0.750B AT 11:00 MST ON APR 26	0.360B ON APR 25	0 B ON MAR 01	832	1982
1983	1.11 AT 21:24 MST ON JUL 22 *	1.06 ON JUL 22 *	0 B ON MAR 01	1 070	1983
1984	0.323 AT 00:57 MST ON JUN 02	0.289 ON JUN 02	0.001 ON JUN 27	790	1984
1985	0.634 AT 20:37 MST ON MAY 06	0.628 ON MAY 06	0.001B ON MAR 01	2 490	1985
1986	0.379 AT 23:55 MST ON JUL 17	0.335 ON JUL 18	0.004B ON MAR 06	831	1986
1987	0.636B AT 12:47 MST ON APR 10	0.468B ON APR 10	0.003 ON SEP 26	982	1987
1988	0.049 AT 12:02 MST ON JUN 09	0.046 ON JUN 09	0 B ON MAR 01	130	1988
1989	---	0.047B ON APR 08	0 ON JUL 16	221	1989
1990	---	0.210B ON APR 03	0.001B ON MAR 01	279	1990
				835	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.150	0.060	0.161	0.265	---	---	---	1972
1973	---	---	---	---	0.651	0.227	0.065	0.048	0.021	---	---	---	---	1973
1974	---	---	---	---	0.620	0.091	0.105	0.052	---	---	---	---	---	1974
MEAN	---	---	---	---	0.636	0.159	0.107	0.053	0.091	0.265	---	---	---	MEAN

LOCATION - LAT 53 21 00 N DRAINAGE AREA, 15.3 km²
LONG 117 24 00 W NATURAL FLOW

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.47 AT 22:30 MST ON MAY 27 *	1.22 ON MAY 28 *	---	---	1973
1974	1.12 AT 04:10 MST ON MAY 08	1.03 ON MAY 08	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	10.1	3.40	1.32	0.655	0.665	---	---	---	1966
1967	---	---	0.193	0.495	12.9	20.6	4.81	1.05	0.465	0.499	---	---	5.80	1967
1968	---	---	0.377	0.620	10.2	11.1	3.04	1.05	1.30	1.52	---	---	4.11	1968
1969	---	---	0.326	4.14	10.3	10.1	4.20	1.07	0.668	0.506	---	---	4.42	1969
1970	---	---	0.395	0.430	8.80	9.18	1.66	0.606	0.600	0.460	---	---	3.10	1970
1971	---	---	0.266	1.61	15.5	12.6	2.91	0.986	0.629	0.900	---	---	5.01	1971
1972	---	---	0.800	1.65	17.9	20.8	5.30	2.14	1.34	1.35	---	---	7.21	1972
1973	---	---	0.366	0.820	7.73	6.55	1.50	0.613	0.441	0.415	---	---	2.58	1973
1974	---	---	0.300	1.82	12.5	22.2	4.74	1.33	0.714	0.620	---	---	6.24	1974
1975	---	---	0.219	0.420	8.90	16.1	4.78	1.58	0.884	1.02	---	---	4.80	1975
1976	---	---	0.325	2.50	13.3	5.24	2.62	10.9	1.59	0.739	---	---	5.31	1976
1977	---	---	0.259	1.59	3.73	2.16	0.706	1.03	1.27	0.681	---	---	1.59	1977
1978	---	---	0.365	1.34	11.0	10.3	4.87	1.66	0.982	0.736	---	---	4.41	1978
1979	---	---	---	---	9.42	7.06	1.72	0.704	0.458	0.362	---	---	---	1979
1980	---	---	---	---	9.47	5.23	1.31	0.763	0.887	0.616	---	---	---	1980
1981	---	---	---	---	18.5	11.3	2.72	1.07	0.574	0.481	---	---	---	1981
1982	---	---	0.421	0.624	7.09	10.8	2.65	0.770	0.597	0.573	---	---	3.30	1982
1983	---	---	---	1.17	6.06	4.65	1.88	0.761	0.462	0.408	---	---	2.20	1983
1984	---	---	---	1.24	4.72	6.86	1.81	0.610	0.467	0.427	---	---	2.30	1984
1985	---	---	---	1.62	6.91	5.15	1.05	0.693	1.53	1.76	---	---	2.67	1985
1986	---	---	---	4.86	13.8	9.31	1.69	0.707	0.723	1.11	---	---	4.46	1986
1987	---	---	---	3.44	7.67	2.36	1.64	1.08	0.511	0.364	---	---	2.44	1987
1988	---	---	---	1.80	5.97	4.97	0.981	0.535	0.437	0.505	---	---	2.17	1988
1989	---	---	---	1.78	9.49	9.01	2.13	0.927	1.15	1.16	---	---	3.66	1989
1990	---	---	---	3.54	12.9	11.2	3.70	1.48	0.597	1.73	---	---	5.03	1990
MEAN	---	---	0.355	1.79	10.2	9.76	2.71	1.42	0.797	0.784	---	---	3.94	MEAN

LOCATION - LAT 49 50 18 N DRAINAGE AREA, 217 km²
LONG 114 25 06 W NATURAL FLOW

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	24.6 AT 21:00 MST ON MAY 28	24.1 ON MAY 28	---	---	1966
1967	58.9 AT 14:30 MST ON MAY 30	48.1 ON MAY 30	0.294 ON SEP 30	107 000	1967
1968	44.2 AT 23:58 MST ON MAY 22	36.5 ON MAY 23	0.300 ON APR 09	76 100	1968
1969	23.1 AT 10:12 MST ON JUN 26	22.0 ON JUN 26	0.261 ON OCT 26	81 700	1969
1970	25.3 AT 18:53 MST ON MAY 26	22.9 ON MAY 26	0.292B ON OCT 27	57 300	1970
1971	31.4 AT 23:00 MST ON MAY 27	28.2 ON MAY 27	0.215B ON APR 02	92 700	1971
1972	59.7 AT 21:30 MST ON MAY 31	49.8 ON JUN 01	0.736 ON OCT 30	133 000	1972
1973	23.1 AT 22:00 MST ON MAY 17	19.0 ON MAY 18	0.292 ON OCT 09	47 700	1973
1974	44.5 AT 22:20 MST ON JUN 16	37.9 ON JUN 16	0.396B ON APR 04	115 000	1974
1975	46.7 AT 01:15 MST ON JUN 20	37.9 ON JUN 20	0.181B ON APR 03 *	88 700	1975
1976	88.6 AT 18:40 MST ON AUG 05 *	50.7 ON AUG 05 *	0.382B ON APR 02	98 100	1976
1977	10.0 AT 03:30 MST ON MAY 11	7.96 ON MAY 11	0.297B ON APR 01	29 500	1977
1978	26.0 AT 00:50 MST ON JUN 06	22.4 ON MAY 22	0.504A ON OCT 31	81 600	1978
1979	35.0 AT 20:25 MST ON MAY 26	26.1 ON MAY 26	---	---	1979
1980	30.9 AT 04:25 MST ON APR 30	24.0 ON APR 30	---	---	1980
1981	65.8 AT 23:20 MST ON MAY 25	45.2 ON MAY 26	---	---	1981
1982	20.6 AT 21:41 MST ON JUN 15	18.9 ON JUN 16	0.356B ON APR 06	60 900	1982
1983	14.6 AT 21:20 MST ON MAY 25	13.0 ON MAY 26	0.318 ON APR 01	40 700	1983
1984	15.0 AT 20:27 MST ON MAY 30	11.2 ON MAY 30	0.237 ON OCT 20	42 500	1984
1985	22.6 AT 23:40 MST ON JUN 07	15.1 ON JUN 08	0.420E ON APR 01	49 400	1985
1986	45.7 AT 23:40 MST ON MAY 28	40.0 ON MAY 28	---	82 500	1986
1987	17.7 AT 21:54 MST ON APR 29	16.5 ON MAY 01	0.284 ON OCT 19	45 200	1987
1988	16.5 AT 23:50 MST ON JUN 07	12.5 ON JUN 08	0.268 ON APR 01	40 100	1988
1989	21.2 AT 21:20 MST ON MAY 06	18.3 ON MAY 07	0.220B ON APR 05	67 600	1989
1990	55.1 AT 06:30 MST ON MAY 25	46.9 ON MAY 25	0.478 ON SEP 30	93 000	1990
				72 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAM RIVER AT RAM GLACIER - STATION NO. 05DC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.274	0.197	---	---	---	---	---	1968
1969	---	---	---	---	---	---	0.240	0.263	0.069	---	---	---	---	1969
1970	---	---	---	---	---	---	0.510	0.420	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	0.485	---	---	---	---	---	1971
1972	---	---	---	---	---	0.191	0.276	0.421	0.054	---	---	---	---	1972
1973	---	---	---	---	---	0.043	0.162	0.166	0.042	---	---	---	---	1973
1974	---	---	---	---	---	0.220	0.265	0.182	0.053	---	---	---	---	1974
MEAN	---	---	---	---	---	0.151	0.280	0.305	0.055	---	---	---	---	MEAN

LOCATION - LAT 51 51 16 N LONG 116 11 27 W
DRAINAGE AREA, 3.73 km²
NATURAL FLOW

RAM RIVER AT RAM GLACIER - STATION NO. 05DC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.816 AT 08:17 MST ON JUN 13	0.609 ON JUL 09	---	---	1968
1969	1.52 AT 15:27 MST ON AUG 24	0.597 ON AUG 24	0 ON SEP 27 *	---	1969
1970	2.49 AT 16:00 MST ON JUL 10 *	0.895 ON JUL 19 *	---	---	1970
1971	---	0.850 ON AUG 08	---	---	1971
1972	1.80 AT 01:00 MST ON AUG 30	0.646 ON AUG 06	---	---	1972
1973	---	0.487 ON JUL 21	---	---	1973
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1967	---	---	---	4.21	26.8	44.0	18.8	10.6	6.71	5.42	---	---	---	1967
1968	---	---	---	3.45	19.2	31.2	22.6	22.7	15.1	13.2	---	---	---	1968
1969	---	---	---	11.1	34.7	41.7	69.8	25.2	13.2	9.29	---	---	---	1969
1970	---	---	2.74	3.70	25.9	54.2	26.9	9.23	7.26	6.23	---	---	---	1970
1971	---	---	2.75	7.84	28.9	66.1	21.9	10.1	7.43	6.40	---	---	---	1971
1972	---	---	3.37	4.93	26.0	96.0	44.6	22.3	25.8	19.8	---	---	---	1972
1973	---	---	2.84	5.81	58.7	48.7	29.1	15.4	13.6	8.49	---	---	---	1973
1974	---	---	2.51	10.2	42.3	65.5	35.4	17.7	12.7	11.6	---	---	---	1974
1975	---	---	2.09	2.77	14.5	21.6	17.3	11.0	7.05	5.44	3.90	3.31	---	1975
1976	2.85	2.89	3.21	5.80	15.2	17.3	20.1	23.1	12.4	6.88	4.16	3.96	9.85	1976
1977	3.29	2.83	2.36	6.34	36.1	35.8	20.2	21.9	18.9	11.6	5.31	4.13	14.1	1977
1978	3.43	2.79	3.20	7.88	30.8	72.9	44.6	28.1	30.4	15.0	6.91	5.91	21.0	1978
1979	3.61	3.16	3.43	7.82	24.3	25.9	14.6	11.5	8.25	6.14	3.61	4.62	9.78	1979
1980	2.66	2.64	3.95	12.3	26.8	89.4	29.5	18.8	17.1	12.2	6.37	5.10	18.9	1980
1981	4.05	3.77	4.07	5.08	45.8	24.5	94.5	43.9	13.7	10.1	7.47	4.07	22.0	1981
1982	2.69	2.96	2.57	8.79	10.0	42.7	55.0	14.6	11.0	10.3	6.73	4.75	14.4	1982
1983	3.21	3.10	3.04	6.70	26.0	21.8	35.3	9.25	7.59	7.11	4.53	4.45	11.2	1983
1984	3.28	3.31	2.88	5.22	11.5	62.2	13.7	8.65	12.3	20.8	8.45	4.53	13.0	1984
1985	2.88	2.22	2.45	5.21	12.3	21.5	15.2	22.4	35.2	13.7	7.21	5.21	12.1	1985
1986	3.81	3.44	3.94	6.54	40.6	55.4	60.8	19.0	16.4	22.3	12.1	6.54	19.4	1986
1987	5.24	4.14	4.07	7.16	10.4	11.5	21.6	25.7	15.7	8.63	5.60	3.44	10.3	1987
1988	2.89	2.18	2.95	7.66	8.25	18.5	17.2	24.0	11.0	11.9	5.94	5.98	10.1	1988
1989	3.19	2.99	2.76	6.57	25.8	26.4	27.5	40.9	36.0	12.8	7.26	5.43	16.5	1989
1990	4.85	4.40	3.78	9.89	52.5	91.7	42.8	18.9	10.6	7.80	4.66	4.07	21.4	1990
MEAN	3.46	3.12	3.09	6.79	27.2	44.5	33.7	19.8	15.3	10.9	6.26	4.72	14.9	MEAN

LOCATION - LAT 52 21 55 N LONG 115 25 33 W
DRAINAGE AREA, 1 860 km²
NATURAL FLOW

RAM RIVER NEAR THE MOUTH - STATION NO. 05DC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	951 ON JUN 27 *	---	---	---	1915
1967	119 AT 04:30 MST ON MAY 31	101 ON MAY 31	---	---	1967
1968	65.1 AT 11:01 MST ON JUL 22	57.2 ON JUL 22	---	---	1968
1969	241 AT 06:42 MST ON JUL 06	227 ON JUL 06	---	---	1969
1970	303 AT 12:00 MST ON JUN 16	239 ON JUN 16	---	---	1970
1971	246 AT 10:00 MST ON JUN 06	203 ON JUN 06	---	---	1971
1972	470 AT 09:00 MST ON JUN 25	413 ON JUN 25 *	---	---	1972
1973	---	114 ON MAY 31	---	---	1973
1974	153 AT 03:50 MST ON JUN 17	115 ON JUN 17	---	---	1974
1975	39.1 AT 09:30 MST ON JUN 03	31.4 ON JUN 03	---	---	1975
1976	---	40.2A ON AUG 10	2.24 ON NOV 14	312 000	1976
1977	103 AT 06:00 MST ON JUN 02	88.9 ON JUN 02	1.44 ON APR 09 *	445 000	1977
1978	142 AT 10:30 MST ON JUN 06	122 ON JUN 06	2.70B ON FEB 13	664 000	1978
1979	90.6 AT 06:30 MST ON MAY 27	70.2 ON MAY 27	2.39 ON NOV 05	309 000	1979
1980	237 AT 06:45 MST ON JUN 05	223 ON JUN 05	2.30B ON JAN 25	596 000	1980
1981	142 AT 20:15 MST ON JUL 14	276 ON JUL 15	2.50B ON DEC 31	694 000	1981
1982	129 AT 08:43 MST ON JUL 06	126 ON JUL 06	2.05B ON APR 08	454 000	1982
1983	90.9 AT 00:00 MST ON JUL 04	81.5E ON JUL 03	2.18B ON APR 13	355 000	1983
1984	125 AT 22:16 MST ON JUN 02	124 ON JUN 03	2.67B ON MAR 14	412 000	1984
1985	---	119 A ON SEP 13	1.71B ON FEB 09	383 000	1985
1986	219 AT 22:23 MST ON JUL 17	181 ON JUL 18	3.29B ON FEB 17	611 000	1986
1987	39.2 AT 03:18 MST ON JUL 26	36.9 ON JUL 26	2.90B ON DEC 17	325 000	1987
1988	183 AT 08:19 MST ON JUN 08	79.5 ON JUN 08	1.67B ON FEB 09	318 000	1988
1989	107 AT 23:37 MST ON AUG 16	86.0 ON AUG 17	2.42B ON JAN 23	522 000	1989
1990	292 AT 05:10 MST ON MAY 26	235 ON MAY 26	2.71B ON MAR 21	674 000	1990
				472 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	3.79	9.33	16.5	8.02	1.88	1.76	4.70	---	---	---	1972
1973	---	---	0.229	8.79	9.82	3.14	1.76	3.27	2.02	2.03	---	---	3.87	1973
1974	---	---	0.412	11.7	16.7	3.06	6.37	1.66	1.27	1.34	---	---	5.32	1974
1975	---	---	0.497	1.14	2.83	3.01	5.55	1.01	0.854	0.580	---	---	1.94	1975
1976	---	---	0.460	4.35	1.56	1.58	2.85	6.43	1.95	0.875	---	---	2.51	1976
1977	---	---	0.306	2.27	17.8	8.69	2.94	7.06	6.03	2.86	---	---	5.99	1977
1978	---	---	0.954	2.55	5.40	13.5	4.66	1.62	5.70	2.77	---	---	4.62	1978
1979	---	---	0.735	2.81	7.17	5.66	3.59	1.21	0.459	0.772	---	---	2.80	1979
1980	---	---	0.345	4.12	4.33	21.6	11.2	4.56	6.68	2.53	---	---	6.87	1980
1981	---	---	0.848	2.16	5.37	5.32	1.81	0.992	0.431	0.568	---	---	2.18	1981
1982	---	---	0.348	2.56	4.70	3.25	30.6	1.98	4.99	2.61	---	---	6.17	1982
1983	---	---	0.300	1.78	2.55	3.66	12.0	1.38	0.776	0.818	---	---	2.92	1983
1984	---	---	0.435	1.87	6.04	3.54	0.646	0.404	4.56	2.57	---	---	2.50	1984
1985	---	---	0.237	7.94	3.92	2.33	1.14	1.72	6.87	2.50	---	---	3.30	1985
1986	---	---	0.746	1.90	8.03	2.49	---	---	---	---	---	---	---	1986
1987	---	---	0.464	2.37	2.34	1.77	1.33	5.10	1.65	0.613	---	---	1.96	1987
1988	---	---	0.519	1.10	0.380	2.70	6.44	2.92	1.73	1.54	---	---	2.17	1988
1989	---	---	0.097	2.59	3.96	4.71	9.02	---	7.78	2.95	---	---	---	1989
1990	---	---	0.852	6.14	8.38	22.4	14.6	1.63	1.07	1.02	---	---	6.98	1990
MEAN	---	---	0.488	3.79	6.35	6.78	6.92	2.64	3.03	1.87	---	---	3.88	MEAN

LOCATION - LAT 53 08 17 N
LONG 115 29 17 W
DRAINAGE AREA, 606 km^2
NATURAL FLOW

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	76.7 AT 20:30 MST ON JUN 28	73.3 ON JUN 28	---	---	1972
1973	18.9 AT 15:40 MST ON APR 30	18.4 ON APR 30	0.190B ON MAR 16	82 000	1973
1974	36.5 AT 05:10 MST ON APR 29	36.2 ON APR 29	0.365B ON MAR 13	113 000	1974
1975	25.6 AT 08:30 MST ON JUL 01	25.5 ON JUL 01	0.450 ON AUG 17	41 000	1975
1976	10.8 AT 01:35 MST ON AUG 08	10.5 ON AUG 06	0.405B ON MAR 29	53 000	1976
1977	42.5 AT 13:45 MST ON MAY 31	41.3 ON MAY 31	0.161B ON MAR 01	127 000	1977
1978	28.9 AT 07:20 MST ON JUN 17	28.2 ON JUN 17	0.272B ON MAR 07	97 800	1978
1979	16.5B AT 07:00 MST ON APR 29	12.7B ON APR 29	0.300B ON MAR 10	59 200	1979
1980	64.9 AT 16:35 MST ON JUN 08	56.8 ON JUN 07	0.335B ON MAR 18	145 000	1980
1981	11.4 AT 16:00 MST ON JUN 02	11.2 ON JUN 02	0.198 ON SEP 16	46 200	1981
1982	111 AT 05:30 MST ON JUL 08	100 ON JUL 08 *	0.300B ON MAR 01	131 000	1982
1983	24.1 AT 08:10 MST ON JUL 05	23.6 ON JUL 05	0.183B ON MAR 25	61 800	1983
1984	13.1 AT 21:18 MST ON MAY 18	12.5 ON MAY 18	0.201B ON MAR 18	52 900	1984
1985	24.5 AT 15:00 MST ON SEP 15	23.2 ON SEP 16	0.140B ON MAR 09 *	69 900	1985
1986	580 ON JUL *	---	0.193B ON MAR 15	---	1986
1987	15.3 AT 13:27 MST ON AUG 06	14.8 ON AUG 06	0.150B ON MAR 29	41 400	1987
1988	19.8 AT 14:02 MST ON JUL 08	19.1 ON JUL 08	0.208 ON MAY 24	45 900	1988
1989	---	---	---	---	1989
1990	52.9 AT 18:22 MST ON JUN 14	51.6 ON JUN 14	0.544B ON MAR 01	148 000	1990
				82 200	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	1.59	---	1.46	1.05	---	1971
1972	0.878	0.877	1.89	3.13	2.23	5.56	3.58	2.21	2.70	2.19	1.64	1.29	2.34	1972
1973	1.25	0.987	1.92	6.74	3.59	2.88	3.08	2.20	1.98	1.78	1.29	1.30	2.42	1973
1974	1.38	1.34	1.29	8.55	6.78	2.67	2.12	2.00	1.91	2.25	1.73	1.03	2.76	1974
1975	0.892	1.15	1.13	3.69	3.63	2.23	1.75	1.50	1.35	1.22	0.837	1.13	1.71	1975
1976	0.909	0.967	1.25	3.62	1.41	1.74	1.21	1.47	1.50	1.34	1.13	1.03	1.55	1976
1977	1.07	1.19	2.16	2.56	4.19	2.20	4.82	2.90	2.11	1.89	1.32	1.15	1.88	1977
1978	1.11	1.27	2.28	4.62	2.92	3.98	2.12	2.18	2.27	2.26	1.64	1.45	2.42	1978
1979	1.25	1.23	3.07	5.28	2.99	1.73	1.53	1.41	1.37	1.58	0.962	0.952	1.95	1979
1980	0.844	0.952	1.08	4.74	1.91	2.75	3.22	2.10	2.22	1.92	1.42	1.14	2.02	1980
1981	1.17	1.21	2.26	1.92	4.98	2.78	4.17	4.34	2.40	2.11	1.70	1.16	2.53	1981
1982	1.12	1.12	1.29	3.49	2.34	2.16	4.81	2.15	1.83	1.67	1.51	1.19	2.06	1982
1983	1.00	1.18	1.68	3.99	2.58	1.56	2.50	1.32	1.37	1.51	1.37	0.823	1.74	1983
1984	1.08	1.09	1.48	1.69	1.55	2.16	1.08	1.04	1.48	1.06	0.949	0.797	1.29	1984
1985	0.925	0.782	1.97	1.77	1.72	1.44	0.966	1.34	2.90	1.80	1.20	1.21	1.50	1985
1986	1.17	1.18	2.82	2.09	4.17	1.68	5.74	2.61	4.52	4.58	2.34	1.65	2.89	1986
1987	1.72	2.04	2.12	3.10	2.00	1.78	2.12	2.58	1.94	1.70	1.57	1.07	1.98	1987
1988	0.992	1.05	2.64	4.02	1.40	1.90	1.67	2.09	1.90	1.67	1.00	0.976	1.77	1988
1989	0.978	0.927	1.20	5.41	2.16	2.07	1.78	2.93	2.73	2.33	1.73	1.32	2.13	1989
1990	1.12	0.916	2.33	5.72	5.12	8.97	6.86	2.99	2.29	2.14	1.69	1.23	3.45	1990
MEAN	1.10	1.13	1.83	4.01	3.04	2.75	2.74	2.18	2.17	1.95	1.42	1.15	2.13	MEAN

LOCATION - LAT 52 05 20 N LONG 114 28 35 W
DRAINAGE AREA, 647 km²
NATURAL FLOW

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	34.3 AT 01:30 MST ON JUN 27 *	30.6 ON JUN 26 *	0.821B ON FEB 04	74 200	1972
1973	---	15.2 B ON APR 12	0.906B ON FEB 06	76 300	1973
1974	---	30.3 B ON APR 17	0.850B ON DEC 30	86 900	1974
1975	---	14.2 B ON APR 19	0.708B ON JAN 28	53 900	1975
1976	14.4 B AT 01:00 MST ON APR 11	13.3 B ON APR 10	0.708B ON JAN 26	48 900	1976
1977	12.1 AT 19:30 MST ON MAY 30	11.4 ON MAY 30	0.991B ON JAN 06	59 200	1977
1978	9.63B AT 10:00 MST ON APR 01	9.49B ON APR 01	1.10 B ON JAN 01	76 400	1978
1979	11.5 B AT 06:30 MST ON APR 20	10.9 B ON APR 20	0.900B ON NOV 02	61 400	1979
1980	22.3 B AT 09:00 MST ON APR 14	22.0 B ON APR 14	0.750B ON JAN 16	63 900	1980
1981	17.1 AT 09:10 MST ON AUG 01	16.3 ON AUG 01	1.00 B ON DEC 15	79 800	1981
1982	15.6 AT 11:35 MST ON JUL 06	15.2 ON JUL 06	0.980B ON JAN 21	65 100	1982
1983	9.79 AT 13:30 MST ON APR 26	9.77 ON APR 26	0.675B ON DEC 23	54 900	1983
1984	7.22 AT 14:13 MST ON JUN 10	7.12 ON JUN 10	0.545B ON OCT 20	40 700	1984
1985	14.0 AT 04:59 MST ON SEP 14	13.5 ON SEP 14	0.680B ON FEB 10	47 400	1985
1986	28.7 AT 19:28 MST ON JUL 19	26.6 A ON JUL 19	1.01 B ON FEB 19	91 300	1986
1987	---	3.96B ON APR 01	0.800B ON DEC 17	62 300	1987
1988	---	10.0 B ON APR 03	0.460B ON NOV 27 *	56 100	1988
1989	---	13.0 B ON APR 13	0.720B ON FEB 01	67 200	1989
1990	22.5 AT 01:45 MST ON JUL 05	21.1 ON JUL 04	0.690B ON FEB 15	109 000	1990
				67 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.339	0.105	0.040	0	0	0	0	0	0	0.060	1967
1968	---	---	0.081	0.013	0.003	0.009	0.067	0.022	0.005	0.018	---	---	0.027	1968
1969	---	---	0	1.23	0.012	0	0.053	0.002	0.013	---	---	---	---	1969
1970	---	---	0.033	0.527	---	---	---	---	---	---	---	---	---	1970
1976	---	---	---	---	---	---	0.005	0.005	0	0	---	---	---	1976
1977	---	---	0.004	0.085	0.025	0	0	0	0	0	---	---	0.014	1977
1978	---	---	0.099	0.117	0.021	0.049	0	0	0.018	0.009	---	---	0.039	1978
1979	---	---	0.182	0.060	0.025	0.007	0.001	0	0	0	---	---	0.035	1979
1980	---	---	0	0.063	0.002	0.008	0.004	0	0	0	---	---	0.009	1980
1981	---	---	0.051	0.008	0.054	0.001	0.005	0.023	0	0	---	---	0.018	1981
1982	---	---	0.001	0.360	0.003	0.003	0.047	0.005	0.002	0.004	---	---	0.052	1982
1983	---	---	0.105	0.121	0.009	0.001	0.005	0	0	0	---	---	0.030	1983
1984	---	---	0.026	0.012	0.014	0.012	0	0	0	0	---	---	0.008	1984
1985	---	---	0.095	0.183	0.008	0	0	0	0.002	0.003	---	---	0.036	1985
1986	---	---	0.124	0.019	0.080	0.002	0.116	0.006	0.047	0.030	---	---	0.053	1986
1987	---	---	0.030	0.287	0.028	0.001	0.007	0.001	0.013	0	---	---	0.045	1987
1988	---	---	0.012	0.038	0.007	0.030	0.005	0.034	0.009	0.003	---	---	0.017	1988
1989	---	---	0	0.290	0.056	0.017	0.009	0.003	0.012	0.013	---	---	0.049	1989
1990	---	---	0.174	0.114	0.055	0.306	0.057	0.029	0.014	0.024	---	---	0.096	1990
MEAN	---	---	0.057	0.215	0.030	0.029	0.021	0.007	0.008	0.006	0	0	0.037	MEAN

LOCATION - LAT 52 00 03 N LONG 113 35 55 W
DRAINAGE AREA, 42.5 km²
NATURAL FLOW

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.04 ON APR 16	0 B ON MAR 01 *	1 270	1967
1968	1.01 AT 19:40 MST ON JUL 22	0.843 ON JUL 23	0 ON MAY 20	581	1968
1969	---	6.20 B ON APR 05 *	0 B ON MAR 01	---	1969
1970	---	2.78 ON APR 05	0 B ON MAR 01	---	1970
1976	0.082 AT 05:00 MST ON JUN 28	---	0 ON JUL 13	---	1976
1977	0.498 AT 13:30 MST ON APR 06	0.351 ON APR 06	0 ON MAR 01	298	1977
1978	1.44 AT 16:10 MST ON MAR 30	1.15 ON MAR 30	0 B ON MAR 01	824	1978
1979	1.60 AT 11:00 MST ON MAR 12	0.875 ON MAR 12	0 B ON MAR 01	731	1979
1980	0.430 AT 22:40 MST ON APR 13	0.354 ON APR 14	0 B ON MAR 01	198	1980
1981	0.940 AT 10:30 MST ON MAY 07	0.767 ON MAY 07	0 ON MAY 25	379	1981
1982	2.97 AT 11:11 MST ON APR 14 *	2.14 ON APR 14	0 B ON MAR 01	1 100	1982
1983	---	0.600B ON MAR 31	0 B ON MAR 01	634	1983
1984	---	0.173B ON MAR 24	0 B ON MAR 01	168	1984
1985	2.74 AT 11:43 MST ON APR 03	1.31 ON APR 02	0 B ON MAR 01	764	1985
1986	1.95 AT 06:58 MST ON JUL 18	1.27 ON JUL 18	0 ON JUN 11	1 130	1986
1987	---	1.74 B ON APR 02	0 B ON MAR 01	959	1987
1988	0.365 AT 15:02 MST ON AUG 21	0.244 ON AUG 21	0 B ON MAR 01	363	1988
1989	2.30 B AT 11:14 MST ON APR 13	1.39 B ON APR 12	0 B ON MAR 01	1 040	1989
1990	2.05 AT 11:30 MST ON JUN 05	1.47 ON JUN 05	0.001B ON MAR 01	2 040	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		780	MEAN

RAYMOND COULEE NEAR RAYMOND - STATION NO. 05AF024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	0.327	0.366	0.058	0.002	0.001	---	---	---	1927
1928	---	---	0.813	0.153	0.001	0.054	0.277	0	0	0	---	---	0.163	1928
1929	---	---	0.249	0.436	0.195	0.726	0	0	0	0	---	---	0.198	1929
1930	---	---	0.042	0.016	0.030	0	0	---	---	---	---	---	---	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.143	0	0	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.312	0.151	0.057	0.221	0.161	0.019	0.001	0	---	---	0.181	MEAN

LOCATION - LAT 49 25 04 N
LONG 112 40 17 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

RAYMOND COULEE NEAR RAYMOND - STATION NO. 05AF024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	15.9 ON MAY 30 *	0 ON JUN 17 *	---	1927
1928	---	8.47 ON MAR 22	0 ON MAR 01	3 460	1928
1929	---	7.96 ON JUN 03	0B ON MAR 01	4 200	1929
1930	---	0.130 ON MAY 13	0 ON MAY 26	---	1930
1931	---	---	0B ON MAR 09	---	1931
1936	---	1.44 ON MAR 03	0 ON MAR 01	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0.200	0.221	0.725	0.999	0.706	0.374	---	---	0.463	1927
1928	---	---	---	0	0.498	0.886	0.231	0.539	1.04	0.129	---	---	0.473	1928
1929	---	---	---	0	0.038	0.380	0.930	1.22	1.14	0.530	---	---	0.608	1929
1930	---	---	---	0	0.608	1.80	1.92	1.56	1.03	0.215	---	---	1.02	1930
1931	---	---	---	0.113	1.48	1.79	1.86	1.98	1.44	0.298	---	---	1.28	1931
1932	---	---	---	0	0.458	0.649	1.87	1.72	0.904	0.680	---	---	0.903	1932
1933	---	---	---	0	0	2.35	2.53	2.51	1.15	0.586	---	---	1.30	1933
1934	---	---	---	0	2.09	1.25	1.83	2.03	1.38	0.324	---	---	1.28	1934
1935	---	---	---	0	0.287	2.11	3.17	1.97	1.19	0.592	---	---	1.33	1935
1936	---	---	---	0	0.882	2.21	2.06	1.48	1.23	0.195	---	---	1.15	1936
1937	---	---	---	0	0.922	1.29	2.48	1.75	1.17	0.082	---	---	1.10	1937
1938	---	---	---	0	0.561	2.63	2.54	1.92	1.38	0.523	---	---	1.37	1938
1939	---	---	---	0.529	2.07	0.556	1.67	1.62	1.40	0.581	---	---	1.21	1939
1940	---	---	---	0	0.415	2.20	2.22	1.36	1.38	0.618	---	---	1.17	1940
1941	---	---	---	0.064	1.43	0.821	1.77	1.62	1.20	0.492	---	---	1.06	1941
1942	---	---	---	0	0.727	0.416	0.913	1.62	1.13	0.552	---	---	0.769	1942
1943	---	---	---	0	0.711	2.01	2.67	2.87	1.61	1.15	---	---	1.58	1943
1944	---	---	---	0.285	1.97	1.70	2.21	1.61	1.29	1.23	---	---	1.47	1944
1945	---	---	---	0.029	0.174	0.836	1.90	1.41	1.36	0.650	---	---	0.911	1945
1946	---	---	---	0	2.22	1.16	2.26	1.69	1.37	0.780	0.224	---	1.36	1946
1947	---	---	---	0	0.156	0.616	1.89	1.59	0.922	0.830	0.005	---	0.862	1947
1948	---	---	---	0	0	0.357	1.07	2.01	1.40	0.710	---	---	0.796	1948
1949	---	---	---	0.108	1.04	1.17	2.30	2.44	1.48	0.717	---	---	1.33	1949
1950	---	---	---	0	0.241	2.13	1.74	2.48	2.13	0.809	---	---	1.36	1950
1951	---	---	---	0	0.109	0.260	0.534	1.74	0.240	0.484	---	---	0.485	1951
MEAN	---	---	---	0.045	0.771	1.27	1.81	1.75	1.23	0.565	0.115	---	1.07	MEAN

LOCATION - LAT 49 26 30 N
LONG 112 47 07 W REGULATED

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	1.23 ON AUG 02	0 ON APR 01 *	8 560	1927
1928	---	2.61 ON JUN 05	0 ON APR 01	8 740	1928
1929	---	2.18 ON OCT 23	0 ON APR 01	11 200	1929
1930	---	2.80 ON JUN 28	0 ON APR 01	18 800	1930
1931	---	3.71 ON AUG 01 *	0 ON APR 01	23 600	1931
1932	---	2.66 ON JUL 30	0 ON APR 01	16 700	1932
1933	---	3.34 ON JUN 26	0 ON APR 01	24 100	1933
1934	---	3.45 ON MAY 30	0 ON APR 01	23 600	1934
1935	---	3.60 ON JUL 01	0 ON APR 01	24 700	1935
1936	---	3.71A ON JUN 01	0 ON APR 01	21 300	1936
1937	---	3.40 ON JUL 07	0 ON APR 01	20 400	1937
1938	---	3.48A ON JUN 23	0 ON APR 01	25 300	1938
1939	---	2.86 ON MAY 18	0 ON APR 01	22 400	1939
1940	---	2.83 ON JUN 29	0 ON APR 01	21 600	1940
1941	---	2.35 ON JUL 29	0 ON APR 01	19 600	1941
1942	---	2.94 ON AUG 26	0 ON APR 01	14 200	1942
1943	---	3.40 ON AUG 07	0 ON APR 01	29 200	1943
1944	---	2.92A ON MAY 20	0 ON APR 01	27 300	1944
1945	---	2.44 ON JUL 13	0 ON APR 01	16 800	1945
1946	---	3.40 ON MAY 09	0 ON APR 01	25 200	1946
1947	---	2.58 ON JUL 18	0 ON APR 01	15 900	1947
1948	---	2.35 ON AUG 17	0 ON APR 01	14 700	1948
1949	---	2.94 ON AUG 02	0 ON APR 01	24 600	1949
1950	---	2.78 ON JUN 17	0 ON APR 01	25 100	1950
1951	---	2.35 ON AUG 11	0 ON APR 01	8 970	1951
				19 700	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN A - STATION NO. 05AG016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0	0.014	0	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0	0.014	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 42 34 N
LONG 112 26 14 W REGULATED

READYMADE DRAIN A - STATION NO. 05AG016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUL 20 *	0 ON APR 01 *	---	1971
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN B - STATION NO. 05AG017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	0.006	0.054	0.175	0.081	0.026	0.034	---	---	---	1971
MEAN	---	---	---	---	0.006	0.054	0.175	0.081	0.026	0.034	---	---	---	MEAN

LOCATION - LAT 49 42 18 N
LONG 112 25 42 W REGULATED

READYMADE DRAIN B - STATION NO. 05AG017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.294 ON JUL 13 *	0 ON MAY 14 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE DRAIN G - STATION NO. 05AG022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0.008	0.005	0.001	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.008	0.005	0.001	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 28 N
LONG 112 23 35 W REGULATED

READYMADE DRAIN G - STATION NO. 05AG022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUN 14 *	0 ON APR 01 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.218	0.452	0.233	0.246	0.027	---	---	---	1968
1969	---	---	---	---	0.151	0.408	0.130	0.304	0.545	0.022	---	---	---	1969
1970	---	---	---	---	0.188	0.401	0.696	0.222	0.386	0.068	---	---	---	1970
1971	---	---	---	0	0.123	0.194	0.717	0.324	0.078	0.062	---	---	---	1971
1972	---	---	---	0	0.113	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	0	0.144	0.305	0.499	0.271	0.314	0.045	---	---	---	MEAN

LOCATION - LAT 49 39 42 N
LONG 112 26 34 W REGULATED

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.869 ON JUL 29	0 ON JUN 15 *	---	1968
1969	---	0.937 ON JUN 18	0 ON APR 25	---	1969
1970	---	0.898 ON JUL 30	0 ON APR 29	---	1970
1971	---	0.954 ON JUL 22 *	0 ON APR 01	---	1971
1972	---	---	0 ON APR 01	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE MINI INFLOW B - STATION NO. 05AG015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.031	0.026	0.044	0	0	---	---	---	1968
1971	---	---	---	0	0	0.038	0.092	0.024	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.035	0.059	0.034	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 24 N
LONG 112 26 39 W REGULATED

READYMADE MINI INFLOW B - STATION NO. 05AG015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.156 ON JUN 05	0 ON JUN 01 *	---	1968
1971	---	0.173 ON JUL 19 *	0 ON APR 01	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RED CREEK AT HIGHWAY NO. 4 - STATION NO. 11AA037

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.012	0.004	0.001	0	0.001	0.003	---	---	---	1983
MEAN	---	---	---	---	0.012	0.004	0.001	0	0.001	0.003	---	---	---	MEAN

LOCATION - LAT 49 02 39 N LONG 111 59 43 W DRAINAGE AREA, 590 km^2 NATURAL FLOW

RED CREEK AT HIGHWAY NO. 4 - STATION NO. 11AA037

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	0.024 AT 06:35 MST ON APR 26 *	---	---	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	47.1	29.4	21.0	14.9	6.69	---	---	---	1967
1968	---	---	---	---	18.7	33.2	28.5	19.1	11.9	7.67	---	---	---	1968
1969	---	---	---	---	22.0	42.0	38.8	20.6	11.1	6.60	---	---	---	1969
1970	---	---	2.83	2.68	8.90	37.3	25.6	18.2	8.08	5.02	---	---	15.1	1970
1971	---	---	2.85	2.80	15.0	39.0	23.8	17.7	9.25	5.60	---	---	16.7	1971
1972	---	---	---	5.76	13.5	56.9	36.6	22.5	12.2	7.35	---	---	21.7	1972
1973	---	---	---	3.60	19.7	33.1	26.6	18.0	10.9	6.23	---	---	16.9	1973
1974	---	---	---	---	---	---	---	19.6	11.0	6.37	---	---	---	1974
1975	---	---	---	2.97	6.55	18.5	25.7	14.6	8.26	5.43	---	---	11.7	1975
1976	---	---	---	---	---	20.1	20.8	28.7	16.6	7.00	---	---	---	1976
1977	---	---	---	3.25	17.1	27.0	16.5	22.2	11.1	6.20	---	---	14.8	1977
1978	---	---	---	3.08	10.1	39.3	30.1	18.0	13.5	7.56	---	---	17.3	1978
1979	---	---	---	3.22	10.6	25.0	21.9	17.7	10.2	5.72	---	---	13.5	1979
1980	---	---	---	5.31	21.3	36.4	19.7	14.2	9.88	7.42	---	---	16.3	1980
1981	---	---	---	3.02	27.5	45.7	46.2	32.6	14.2	7.04	---	---	22.4	1981
1982	---	---	---	3.11	8.51	34.0	26.5	16.6	12.4	6.94	---	---	15.4	1982
1983	---	---	---	3.47	13.3	22.5	27.1	20.1	9.78	5.85	---	---	14.6	1983
1984	---	---	---	2.97	6.40	25.5	19.1	18.9	11.0	7.82	---	---	13.1	1984
1985	---	---	---	3.14	12.7	16.6	20.3	16.6	15.6	7.28	---	---	13.2	1985
1986	---	---	---	5.62	19.8	38.9	28.3	19.1	11.1	10.0	---	---	18.6	1986
1987	---	---	---	3.46	14.2	22.3	24.8	18.1	11.7	5.90	---	---	14.4	1987
1988	---	---	---	4.23	11.9	25.3	19.8	21.6	11.8	8.70	---	---	14.8	1988
1989	---	---	---	2.84	9.61	25.5	21.8	26.9	14.9	6.92	---	---	15.5	1989
1990	---	---	---	3.21	18.3	48.1	33.1	20.3	10.2	6.12	---	---	19.9	1990
MEAN	---	---	2.84	3.25	14.6	32.1	26.9	20.3	11.7	6.81	---	---	16.1	MEAN

LOCATION - LAT 51 39 33 N LONG 115 24 23 W DRAINAGE AREA, 941 km^2 NATURAL FLOW

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	62.6 AT 01:18 MST ON JUN 27	54.9 ON JUN 27	---	---	1968
1969	87.8 AT 01:59 MST ON JUN 05	80.7 ON JUL 04	---	---	1969
1970	154 AT 11:31 MST ON JUN 16	119 ON JUN 16 *	2.62B ON APR 27	279 000	1970
1971	88.1 AT 07:00 MST ON JUN 06	76.5 ON JUN 06	2.29B ON APR 02	309 000	1971
1972	103 AT 02:30 MST ON JUN 25	92.3 ON JUN 25	2.44B ON APR 13	401 000	1972
1973	100 AT 05:45 MST ON JUN 24	84.4 ON JUN 24	3.11B ON APR 01	312 000	1973
1974	---	---	---	---	1974
1975	47.9 AT 09:00 MST ON JUL 14	42.2 ON JUL 14	2.57 ON APR 08	217 000	1975
1976	52.4 AT 11:30 MST ON AUG 10	49.3 ON AUG 10	---	---	1976
1977	66.2 AT 00:30 MST ON JUN 09	60.9 ON JUN 08	2.45 ON APR 03	273 000	1977
1978	93.7 AT 05:50 MST ON JUN 06	80.7 ON JUN 06	2.27 ON APR 15	321 000	1978
1979	64.4 AT 07:00 MST ON MAY 27	52.5 ON MAY 27	2.67B ON APR 01	249 000	1979
1980	70.6 AT 05:00 MST ON JUN 17	60.3 ON JUN 17	2.44B ON APR 05	301 000	1980
1981	104 AT 08:05 MST ON MAY 26	94.7 ON MAY 26	2.43 ON APR 10	415 000	1981
1982	56.0 AT 03:42 MST ON JUN 15	48.5 ON JUN 15	2.59B ON APR 09	285 000	1982
1983	67.4 AT 09:32 MST ON JUL 03	55.6 ON JUL 03	2.47 ON APR 15	270 000	1983
1984	71.3 AT 02:34 MST ON JUN 30	54.9 ON JUN 30	2.49 ON APR 14	242 000	1984
1985	50.3 AT 00:01 MST ON SEP 13	40.9 ON SEP 13	2.24 ON APR 29 *	244 000	1985
1986	115 AT 01:45 MST ON MAY 29	95.9 ON MAY 29	2.36 ON APR 17	343 000	1986
1987	51.1 AT 02:04 MST ON JUN 17	41.2 ON JUN 17	2.90 ON APR 13	266 000	1987
1988	110 AT 06:45 MST ON JUN 08	76.1 ON JUN 08	2.69 ON APR 08	274 000	1988
1989	44.2 AT 06:10 MST ON AUG 20	40.7 ON AUG 20	2.51 ON APR 10	287 000	1989
1990	170 AT 00:16 MST ON JUN 02 *	112 ON JUN 02	2.50B ON APR 10	368 000	1990
				298 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	24.8	---	1915
1916	12.1	12.4	36.5	89.7	107	384	362	274	280	123	47.4	22.5	146	1916
1917	19.8	20.4	22.7	218	378	322	117	62.4	54.6	37.6	30.5	12.1	108	1917
1918	13.5	11.4	78.7	92.9	50.5	107	53.2	47.4	31.1	25.8	15.9	6.69	44.6	1918
1919	4.67	5.86	7.83	78.7	71.8	54.2	34.0	59.0	45.0	18.8	10.6	6.43	33.1	1919
1920	6.87	7.86	10.1	243	404	113	128	45.1	24.5	17.8	9.24	6.15	84.9	1920
1921	4.89	5.43	8.42	92.0	78.3	74.3	53.8	37.0	19.4	14.2	8.06	4.45	33.4	1921
1922	2.77	3.12	4.61	49.9	84.0	74.4	50.5	54.9	30.8	16.7	9.74	2.23	32.1	1922
1923	3.07	3.38	4.80	35.2	49.7	374	153	---	---	---	---	---	---	1923
1924	---	---	9.23	51.6	89.3	105	78.8	---	---	---	---	---	---	1924
1925	---	---	---	144	48.8	98.6	50.4	---	---	---	---	---	---	1925
1926	---	---	102	92.0	36.9	110	68.0	---	---	---	---	---	---	1926
1927	---	---	---	282	123	181	175	---	---	---	---	---	---	1927
1928	---	---	---	108	72.8	405	257	---	---	---	---	---	---	1928
1929	---	---	15.4	39.5	80.9	175	42.8	---	---	---	---	---	---	1929
1930	---	---	19.7	51.1	47.4	101	65.2	---	---	---	---	---	---	1930
1931	---	---	8.00	24.5	---	---	---	---	---	---	---	---	---	1931
1959	---	---	---	42.6	40.4	127	102	55.7	39.6	34.1	13.2	10.6	---	1959
1960	7.50	9.59	71.8	99.8	70.2	68.0	70.5	42.5	20.2	18.1	8.26	5.81	41.1	1960
1961	7.25	6.86	23.2	29.1	63.8	70.1	34.2	47.9	23.0	19.3	16.0	4.68	28.9	1961
1962	5.64	7.56	16.8	69.2	41.3	68.6	66.1	52.3	35.0	19.0	11.6	7.93	33.6	1962
1963	3.98	8.56	33.5	88.5	44.6	92.2	116	65.2	36.2	22.3	9.22	10.2	44.4	1963
1964	9.20	10.1	8.65	37.6	123	174	115	36.9	38.8	35.3	16.2	7.13	51.1	1964
1965	9.60	10.1	25.6	243	80.1	224	317	99.1	105	62.9	30.4	19.7	102	1965
1966	13.5	14.6	37.2	113	83.4	104	142	72.5	39.5	33.4	13.6	12.5	56.8	1966
1967	13.8	10.7	13.1	83.6	136	224	77.2	45.2	24.7	22.5	13.3	8.78	56.0	1967
1968	8.70	9.00	21.7	25.8	33.3	79.8	77.0	64.4	38.0	42.7	21.1	8.84	35.9	1968
1969	9.79	9.11	8.41	187	94.8	98.2	252	64.2	41.1	31.0	17.1	9.43	68.8	1969
1970	6.11	7.55	12.2	104	64.8	170	113	38.7	27.3	20.8	11.9	8.01	48.7	1970
1971	9.05	8.94	11.6	308	71.7	128	75.1	38.9	25.0	20.0	12.5	8.39	59.5	1971
1972	9.97	8.95	32.4	79.9	61.0	174	143	66.9	45.3	32.9	20.1	9.18	57.0	1972
1973	12.0	10.2	37.3	140	116	132	94.2	65.7	42.7	26.8	16.3	11.4	58.9	1973
1974	10.4	10.9	11.8	302	205	153	89.2	52.5	36.7	29.8	16.2	11.1	77.3	1974
1975	8.90	7.33	9.32	82.1	85.8	53.2	49.9	37.1	22.3	18.0	10.9	6.74	32.7	1975
1976	7.63	7.76	12.3	53.6	37.7	49.1	47.2	80.5	38.3	21.8	12.3	8.17	33.1	1976
1977	8.12	8.88	10.6	37.1	91.8	77.8	35.3	49.4	40.7	30.4	10.9	7.11	33.3	1977
1978	8.47	7.63	28.8	90.3	76.6	132	79.0	56.7	60.2	34.9	14.7	11.4	50.1	1978
1979	7.10	5.37	28.1	52.4	64.8	64.1	47.8	37.1	26.5	18.3	8.19	8.56	30.8	1979
1980	6.36	5.51	5.46	79.9	53.9	166	87.6	49.6	47.3	30.0	16.6	11.1	46.5	1980
1981	10.6	13.3	31.6	32.4	150	108	158	187	50.0	30.6	22.9	10.2	67.6	1981
1982	6.86	5.69	10.1	114	63.8	91.3	188	58.0	42.1	38.0	14.0	8.85	53.6	1982
1983	8.52	8.18	22.3	77.4	63.5	33.7	85.5	29.1	20.0	23.6	17.2	16.5	34.0	1983
1984	16.7	17.0	20.4	34.9	44.5	30.8	17.2	26.0	29.0	23.3	13.6	14.2	24.0	1984
1985	14.7	14.5	36.6	91.5	29.6	30.6	19.0	38.0	77.0	36.4	17.3	15.6	35.0	1985
1986	16.7	16.8	41.0	30.4	115	113	209	74.4	78.8	101	34.3	18.5	71.3	1986
1987	17.5	19.4	23.0	75.4	40.8	37.3	60.8	65.9	40.6	24.2	19.1	11.6	36.4	1987
1988	14.5	13.0	19.4	32.4	19.5	37.5	49.1	67.2	30.5	33.1	17.4	16.1	29.2	1988
1989	16.7	14.7	18.1	89.8	64.1	56.6	54.9	79.9	57.9	31.3	26.9	18.0	44.2	1989
1990	17.6	16.4	39.7	105	98.3	347	198	69.4	31.7	21.8	17.1	15.6	81.6	1990
MEAN	10.1	10.1	24.3	98.4	88.1	132	105	63.9	46.1	31.8	16.7	10.9	52.8	MEAN

LOCATION - LAT 51 28 08 N DRAINAGE AREA, 24 800 km²
LONG 112 42 30 W REGULATED SINCE 1983

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	852 ON AUG 21	9.85B ON JAN 28	4 620 000	1916
1917	---	906 ON MAY 18	9.63B ON DEC 25	3 410 000	1917
1918	---	314 B ON MAR 25	4.70B ON DEC 28	1 410 000	1918
1919	---	177 ON MAY 12	4.30B ON JAN 23	1 050 000	1919
1920	---	1 120 ON MAY 10	3.00B ON DEC 27	2 680 000	1920
1921	---	243 ON APR 18	3.11B ON DEC 31	1 050 000	1921
1922	---	142 ON MAY 04	1.53B ON DEC 13 *	1 010 000	1922
1923	1 220 AT 10:00 MST ON JUN 03 *	1 130 ON JUN 03 *	2.41B ON JAN 05	---	1923
1924	178 AT 16:40 MST ON JUL 03	176 ON JUL 03	---	---	1924
1925	328B AT 16:25 MST ON APR 09	326 B ON APR 09	---	---	1925
1926	---	---	---	---	1926
1927	---	731 ON APR 15	---	---	1927
1928	1 060 AT 19:00 MST ON JUN 09	878 ON JUN 10	---	---	1928
1929	1 010 AT 01:00 MST ON JUN 05	818 ON JUN 05	---	---	1929
1930	---	131 ON JUN 04	---	---	1930
1931	---	---	---	---	1931
1959	507 AT 07:40 MST ON JUN 29	481 ON JUN 29	---	---	1959
1960	---	326 B ON MAR 28	2.72B ON JAN 08	1 300 000	1960
1961	139 AT 17:20 MST ON MAY 30	133 ON MAY 30	2.21B ON DEC 18	911 000	1961
1962	---	91.2 ON APR 17	3.40B ON JAN 11	1 060 000	1962
1963	---	164 A ON JUL 19	2.12B ON JAN 19	1 400 000	1963
1964	---	476 ON MAY 09	3.91 ON NOV 25	1 610 000	1964
1965	742 AT 12:00 MST ON JUN 20	671 ON JUN 20	8.41B ON JAN 01	3 230 000	1965
1966	---	456 ON JUL 05	7.93B ON DEC 14	1 790 000	1966
1967	680 AT 04:50 MST ON JUN 02	595 ON JUN 02	7.36B ON NOV 26	1 770 000	1967
1968	---	131 ON JUN 11	6.09B ON DEC 31	1 140 000	1968
1969	---	643 ON JUL 08	7.19B ON NOV 21	2 170 000	1969
1970	883 AT 12:00 MST ON JUN 18	801 ON JUN 18	4.05B ON JAN 16	1 540 000	1970
1971	---	742 A ON APR 16	6.65B ON NOV 30	1 880 000	1971
1972	648 AT 11:30 MST ON JUN 27	614 ON JUN 27	3.51B ON DEC 12	1 800 000	1972
1973	436 AT 02:00 MST ON APR 04	286 ON APR 04	7.14B ON JAN 13	1 860 000	1973
1974	773B AT 20:30 MST ON APR 16	677 ON APR 21	7.33B ON DEC 22	2 440 000	1974
1975	---	334 ON APR 22	5.24B ON DEC 06	1 030 000	1975
1976	202 AT 20:30 MST ON APR 11	144 ON AUG 12	6.68B ON MAR 07	1 050 000	1976
1977	---	162 A ON JUN 01	4.47B ON NOV 21	1 050 000	1977
1978	220 AT 07:10 MST ON JUN 10	205 ON JUN 08	6.80B ON MAR 03	1 580 000	1978
1979	---	123 ON APR 25	4.59B ON FEB 14	972 000	1979
1980	282 AT 02:30 MST ON JUN 07	276 ON JUN 07	4.90B ON MAR 07	1 470 000	1980
1981	786 AT 21:10 MST ON AUG 01	673 ON AUG 02	7.00B ON DEC 31	2 130 000	1981
1982	500 AT 00:55 MST ON JUL 08	465 ON JUL 08	4.30B ON FEB 06	1 690 000	1982
1983	185 AT 17:40 MST ON JUL 10	179 ON APR 28	6.11B ON FEB 11	1 070 000	1983
1984	104 AT 04:30 MST ON APR 07	76.0 ON MAY 21	7.52B ON OCT 30	758 000	1984
1985	295 AT 15:35 MST ON SEP 15	278 ON SEP 15	10.5 B ON NOV 22	1 100 000	1985
1986	709 AT 02:50 MST ON JUL 20	647 ON JUL 20	10.3 B ON FEB 19	2 250 000	1986
1987	315 AT 05:32 MST ON APR 10	170 ON APR 10	7.00B ON DEC 12	1 150 000	1987
1988	123 AT 10:57 MST ON AUG 22	115 ON AUG 22	8.73B ON NOV 30	924 000	1988
1989	280 AT 08:26 MST ON APR 15	241 ON APR 15	11.6 B ON MAR 03	1 390 000	1989
1990	897 AT 02:51 MST ON JUN 05	846 ON JUN 05	9.11B ON NOV 28	2 570 000	1990
				1 670 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	6.83	7.77	---	54.4	112	112	286	141	128	75.3	36.5	16.8	---	1912
1913	11.8	11.2	11.6	110	116	140	148	93.0	50.6	34.6	23.4	9.26	63.6	1913
1914	7.88	8.42	10.8	25.6	54.0	104	66.6	37.1	31.1	40.8	22.2	9.28	34.9	1914
1915	7.88	7.68	17.2	35.4	126	349	474	230	112	83.1	33.8	14.7	125	1915
1916	11.8	10.6	23.5	60.0	102	328	237	213	204	96.6	51.9	23.9	114	1916
1917	17.3	13.5	14.2	118	257	252	104	58.7	54.2	41.4	29.9	11.5	81.1	1917
1918	12.9	10.9	39.9	80.6	53.7	102	52.6	50.1	37.8	27.6	14.7	7.78	40.9	1918
1919	9.69	7.69	6.99	44.2	58.5	51.8	39.0	56.3	32.7	18.7	10.4	5.97	28.6	1919
1920	6.25	6.33	8.21	87.6	260	97.9	125	46.8	23.1	15.9	8.41	5.61	57.9	1920
1921	5.79	4.94	5.06	68.5	74.7	74.7	51.5	37.1	19.7	15.8	8.69	4.82	31.0	1921
1922	3.72	4.35	4.90	113.9	84.4	74.6	50.8	60.6	30.4	17.9	9.67	3.42	30.2	1922
1923	4.03	3.76	4.51	24.7	43.8	366	138	127	55.3	31.6	16.3	11.2	68.9	1923
1924	8.66	10.4	17.0	52.4	82.9	106	85.4	88.2	36.7	23.8	13.8	9.11	44.6	1924
1925	8.44	8.11	10.7	107	48.2	96.8	54.4	83.4	82.5	79.9	34.3	18.0	52.7	1925
1926	13.7	14.2	73.2	70.4	35.5	91.5	66.0	40.6	293	111	50.7	24.9	73.7	1926
1927	14.1	12.5	16.2	121	109	179	155	116	105	66.2	27.2	14.2	78.1	1927
1928	15.3	16.3	48.9	75.3	60.6	392	226	68.3	38.5	27.1	14.2	11.5	82.7	1928
1929	8.35	7.31	14.0	26.1	75.7	181	38.2	32.5	24.3	15.6	10.5	7.13	36.7	1929
1930	6.38	9.56	17.6	50.6	48.7	103	63.0	38.6	27.9	17.7	12.0	7.05	33.6	1930
1931	4.95	5.89	7.59	16.2	31.2	69.8	84.3	---	---	---	---	---	---	1931
1932	---	---	---	---	98.6	252	69.4	46.2	37.0	24.0	17.2	10.7	---	1932
1933	10.3	6.32	8.88	53.8	132	91.6	---	---	---	---	---	---	---	1933
1935	---	---	---	22.9	41.1	97.2	112	64.9	28.5	18.4	10.3	6.39	---	1935
1936	7.05	5.30	6.63	96.7	61.5	81.7	35.0	29.0	20.4	13.4	7.56	2.79	30.5	1936
1937	3.00	4.91	6.86	21.7	59.3	71.9	48.6	38.0	30.1	28.0	14.2	7.97	25.3	1937
1938	8.04	4.97	15.0	25.8	59.3	106	107	43.7	34.2	20.1	9.20	5.94	36.5	1938
1939	6.10	5.30	15.3	22.9	28.2	197	94.7	35.3	24.7	20.1	17.3	9.99	39.7	1939
1940	5.19	5.25	8.78	108	86.4	51.2	46.7	30.7	31.6	18.1	10.7	8.52	34.2	1940
1941	6.42	7.05	16.2	19.4	15.0	36.8	40.8	49.5	36.7	25.3	12.5	7.46	22.9	1941
1942	5.64	4.67	4.62	12.8	55.3	105	160	91.7	82.2	40.0	26.2	14.6	50.5	1942
1943	8.00	8.48	19.9	184	57.0	139	102	52.4	27.9	20.3	11.3	7.52	53.1	1943
1944	6.29	6.03	15.0	31.0	51.5	191	93.0	152	48.7	33.7	18.4	10.1	54.8	1944
1945	8.52	8.80	11.9	28.7	105	114	86.2	59.9	50.3	48.2	22.9	15.6	46.9	1945
1946	13.8	11.8	38.5	68.1	49.1	176	91.8	46.6	52.3	30.6	13.7	11.8	50.3	1946
1947	12.5	9.66	30.8	110	124	146	76.1	43.5	61.0	55.7	27.4	19.0	59.8	1947
1948	12.6	9.62	9.67	142	383	155	79.3	69.9	34.1	21.2	15.8	8.30	78.5	1948
1949	7.64	7.72	8.71	36.3	35.1	37.4	37.8	29.2	17.6	14.8	11.9	5.92	20.9	1949
1950	4.03	4.78	5.72	27.5	38.3	81.8	65.4	39.6	21.9	14.2	7.76	5.85	26.5	1950
1951	6.10	5.42	7.13	37.1	100	116	134	74.4	127	51.1	38.0	24.0	60.3	1951
1952	16.1	13.8	23.9	205	62.7	243	116	66.2	38.4	27.2	22.7	8.72	70.0	1952
1953	6.98	11.5	13.7	47.9	108	260	138	82.8	47.0	25.8	18.1	10.2	64.3	1953
1954	10.1	13.7	12.9	64.1	192	241	103	252	182	74.5	45.2	19.6	101	1954
1955	11.4	14.2	15.6	165	155	111	98.4	40.9	29.6	22.6	8.00	7.26	56.7	1955
1956	8.90	8.85	19.1	99.2	66.8	92.7	80.8	42.5	27.8	16.1	13.1	8.20	40.3	1956
1957	8.98	6.67	12.6	59.6	80.0	64.4	35.8	29.1	25.2	21.0	16.6	10.6	30.9	1957
1958	9.47	8.94	9.26	89.9	83.2	85.0	106	43.4	30.0	17.8	10.4	9.15	42.0	1958
1959	7.11	7.47	7.68	19.2	37.4	120	82.0	43.4	29.9	25.4	22.7	11.4	34.6	1959
1960	8.82	9.98	62.7	73.2	71.8	66.6	63.3	34.1	19.7	16.7	11.8	7.45	37.3	1960
1961	7.71	6.91	15.3	16.7	68.1	67.1	37.9	49.2	22.8	21.3	16.3	5.11	28.0	1961
1962	5.95	8.53	13.0	28.5	48.0	66.4	61.1	49.5	30.8	18.7	12.2	6.62	27.2	1962
1963	5.36	11.1	18.1	50.8	38.0	87.2	108	56.7	35.2	20.4	11.9	9.00	37.8	1963
1964	6.27	7.58	7.78	26.7	108	165	104	33.9	33.7	27.6	15.1	5.46	45.2	1964
1965	9.09	9.71	13.7	139	62.3	222	266	88.0	102	54.9	28.1	14.7	84.4	1965
1966	12.5	13.5	22.6	74.7	76.2	94.8	128	66.3	36.8	31.6	15.9	11.2	48.9	1966
1967	10.3	11.6	10.9	46.9	113	193	65.1	37.7	23.4	15.3	7.54	7.72	45.2	1967
1968	6.79	8.53	23.8	22.2	33.2	76.6	57.1	58.0	32.9	34.6	17.5	9.33	31.8	1968
1969	9.55	10.6	10.8	109	97.8	124	218	57.9	34.6	26.5	20.3	12.3	61.2	1969
1970	7.13	8.61	13.2	58.1	60.2	168	107	38.6	22.1	17.7	9.00	8.64	43.3	1970
1971	8.89	9.11	9.42	145	58.3	126	68.9	40.2	23.7	18.6	13.4	4.87	43.7	1971
1972	6.64	6.95	26.5	56.2	53.9	169	121	59.6	42.3	31.4	19.1	6.61	50.0	1972
1973	10.1	10.7	33.9	97.2	107	114	74.4	52.2	33.5	21.4	15.9	11.5	48.6	1973
1974	9.09	10.5	9.55	112	143	138	75.0	44.3	30.3	25.0	15.0	7.21	51.6	1974
1975	7.53	7.81	8.83	50.7	55.6	49.0	47.7	35.1	19.5	14.9	8.70	6.72	26.1	1975
1976	7.38	8.05	8.49	30.3	36.4	44.7	44.2	66.0	33.4	18.5	12.3	9.54	26.7	1976
1977	9.56	9.81	8.41	26.1	73.8	65.5	32.4	44.8	36.9	27.0	10.2	6.56	29.4	1977
1978	7.73	7.54	13.4	56.3	67.0	112	74.2	52.0	49.3	29.6	15.7	12.6	41.7	1978
1979	7.56	6.80	26.3	42.1	58.8	58.7	42.2	32.9	21.7	15.0	7.61	5.07	27.1	1979
1980	4.87	5.69	6.66	52.5	51.1	131	63.3	40.5	48.9	25.8	14.6	10.7	37.9	1980
1981	10.3	9.38	19.8	23.1	141	95.5	160	149	44.0	28.0	16.6	6.42	59.1	1981
1982	5.28	7.42	7.26	81.2	52.5	99.0	135	40.6	30.2	29.0	12.0	6.69	42.3	1982
1983	8.56	9.74	18.7	59.1	57.4	22.6	83.1	30.6	18.4	23.6	18.2	16.6	30.7	1983
1984	15.7	15.6	18.1	22.8	44.0	23.4	17.1	27.3	24.4	22.3	15.1	13.3	21.6	1984
1985	14.8	15.0	22.7	52.3	24.2	30.1	20.7	35.5	74.0	32.1	20.9	17.2	29.9	1985
1986	17.7	17.6	20.3	21.4	99.3	101	179	63.3	80.0	90.0	34.0	21.8	63.2	1986
1987	18.0	18.5	22.4	44.8	36.6	37.6	63.4	62.0	37.8	21.6	19.6	16.8	33.4	1987
1988	16.4	15.5	18.6	25.1	19.3	37.1	46.7	68.8	28.7	31.8	20.3	16.0	28.8	1988
1989	16.3	15.4	16.3	54.8	55.8	61.9	53.7	79.1	54.7	30.0	27.0	20.3	40.5	1989
1990	17.2	17.3	30.8	85.8	109	312	157	66.8	30.5	19.0	17.1	16.4	73.3	1990
MEAN	9.28	9.35	16.8	62.7	80.6	127	98.2	64.2	48.9	31.7	18.1	10.7	48.0	MEAN

LOCATION - LAT 52 16 36 N DRAINAGE AREA, 11 600 km²
LONG 113 48 57 W REGULATED SINCE 1983

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	382 ON JUN 29	2.97B ON DEC 27	2 010 000	1913
1914	---	157 ON JUN 14	5.52B ON JAN 01	1 100 000	1914
1915	1 930 AT 21:20 MST ON JUN 27 *	1 590 ON JUN 27 *	6.80B ON JAN 26	3 950 000	1915
1916	---	705 ON AUG 20	8.78B ON FEB 15	3 590 000	1916
1917	---	634 ON MAY 17	8.89B ON DEC 01	2 560 000	1917
1918	---	196 ON JUN 11	5.69B ON DEC 22	1 290 000	1918
1919	---	130 ON AUG 06	5.10B ON DEC 09	902 000	1919
1920	---	716 ON MAY 09	4.45B ON DEC 12	1 830 000	1920
1921	---	222 B ON APR 16	2.92B ON DEC 21	978 000	1921
1922	---	157 ON MAY 02	1.81B ON DEC 07 *	951 000	1922
1923	1 130 AT 17:00 MST ON JUN 02	985 ON JUN 02	3.45B ON MAR 04	2 170 000	1923
1924	---	178 ON JUN 30	6.54B ON DEC 23	1 410 000	1924
1925	362 B AT 08:30 MST ON APR 07	340 B ON APR 06	7.59B ON JAN 29	1 660 000	1925
1926	617 AT 17:45 MST ON SEP 11	612 ON SEP 11	12.6 B ON JAN 21	2 320 000	1926
1927	---	300 ON APR 17	12.4 B ON FEB 01	2 460 000	1927
1928	1 030 ON JUN 09	980 ON JUN 09	10.0 B ON DEC 31	2 610 000	1928
1929	1 210 AT 05:00 MST ON JUN 04	968 ON JUN 04	6.12B ON DEC 12	1 160 000	1929
1930	---	172 ON JUN 09	5.38B ON DEC 30	1 060 000	1930
1931	---	190 ON JUL 06	2.41B ON JAN 11	---	1931
1932	---	1 040 ON JUN 03	---	---	1932
1933	---	---	4.59B ON FEB 27	---	1933
1935	---	211 ON JUL 02	---	---	1935
1936	---	382 ON APR 18	1.95B ON DEC 06	964 000	1936
1937	---	149 ON JUN 16	2.46B ON FEB 07	797 000	1937
1938	337 ON JUL 03	289 ON JUL 03	4.22B ON MAR 02	1 150 000	1938
1939	626 AT 10:00 MST ON JUN 18	580 ON JUN 18	4.33B ON MAR 10	1 250 000	1939
1940	---	221 ON APR 17	3.88B ON JAN 24	1 080 000	1940
1941	---	144 ON AUG 26	5.24B ON MAR 14	721 000	1941
1942	---	527 ON JUL 13	3.45B ON APR 03	1 590 000	1942
1943	---	532 ON APR 11	5.59B ON NOV 25	1 670 000	1943
1944	---	561 ON AUG 01	5.47B ON MAR 04	1 730 000	1944
1945	---	229 ON MAY 27	6.00B ON JAN 01	1 480 000	1945
1946	---	300 ON JUN 09	11.0 B ON FEB 28	1 590 000	1946
1947	549 AT 11:45 MST ON MAY 11	538 ON MAY 11	8.67B ON FEB 28	1 890 000	1947
1948	---	682 ON MAY 09	7.56B ON DEC 13	2 480 000	1948
1949	74.5 AT 14:45 MST ON APR 12	74.5 ON APR 12	3.96B ON DEC 23	658 000	1949
1950	249 AT 11:00 MST ON JUN 16	232 ON JUN 16	3.85B ON JAN 06	835 000	1950
1951	---	377 ON SEP 01	4.67B ON MAR 20	1 900 000	1951
1952	1 170 E AT 10:00 MST ON JUN 24	1 070 E ON JUN 24	7.31B ON DEC 31	2 210 000	1952
1953	680 AT 18:00 MST ON JUN 04	612 ON JUN 04	5.66B ON JAN 23	2 030 000	1953
1954	1 480 AT 18:00 MST ON AUG 26	1 210 ON AUG 26	6.23B ON JAN 05	3 190 000	1954
1955	---	340 B ON APR 07	5.01B ON NOV 01	1 790 000	1955
1956	---	286 B ON APR 13	3.14B ON DEC 08	1 280 000	1956
1957	---	112 ON APR 18	2.75B ON MAR 01	976 000	1957
1958	261 AT 08:00 MST ON APR 11	254 ON APR 11	3.41B ON DEC 11	1 320 000	1958
1959	484 AT 18:00 MST ON JUN 28	453 ON JUN 28	5.49B ON MAR 29	1 090 000	1959
1960	---	326 B ON MAR 26	4.81B ON NOV 30	1 180 000	1960
1961	---	131 ON MAY 28	4.53B ON DEC 19	884 000	1961
1962	---	104 ON MAY 21	4.25B ON DEC 24	922 000	1962
1963	---	174 ON JUL 26	2.89B ON JAN 13	1 190 000	1963
1964	---	382 ON MAY 08	5.10B ON NOV 27	1 430 000	1964
1965	---	731 ON JUN 19	4.81B ON DEC 31	2 660 000	1965
1966	---	459 ON JUL 04	5.10B ON JAN 01	1 540 000	1966
1967	544 AT 06:00 MST ON JUN 01	504 ON JUN 01	6.46 ON NOV 13	1 430 000	1967
1968	---	121 ON JUN 10	5.66B ON JAN 09	1 000 000	1968
1969	640 AT 16:14 MST ON JUL 07	609 ON JUL 07	6.37B ON JAN 01	1 930 000	1969
1970	966 AT 14:01 MST ON JUN 17	841 ON JUN 17	4.96B ON NOV 25	1 360 000	1970
1971	382 AT 16:30 MST ON APR 15	328 ON APR 15	2.78B ON DEC 13	1 380 000	1971
1972	685 AT 11:30 MST ON JUN 26	648 ON JUN 26	3.54B ON DEC 03	1 580 000	1972
1973	271 AT 06:30 MST ON MAY 28	264 ON MAY 28	9.68B ON JAN 01	1 530 000	1973
1974	289 AT 22:30 MST ON APR 19	283 ON APR 20	5.27B ON DEC 24	1 630 000	1974
1975	---	210 B ON APR 20	4.96B ON JAN 17	823 000	1975
1976	135 AT 14:25 MST ON AUG 11	130 ON AUG 11	6.80B ON JAN 11	843 000	1976
1977	142 AT 07:30 MST ON JUN 03	129 ON JUN 03	3.28B ON NOV 24	926 000	1977
1978	194 AT 08:50 MST ON JUN 07	185 ON JUN 07	6.82B ON MAR 02	1 320 000	1978
1979	126 AT 10:15 MST ON MAY 28	114 ON MAY 28	4.30B ON NOV 29	856 000	1979
1980	215 AT 07:27 MST ON JUN 06	211 R ON JUN 06	4.00B ON JAN 09	1 200 000	1980
1981	684 AT 21:10 MST ON JUL 31	557 ON AUG 01	4.30B ON DEC 30	1 860 000	1981
1982	281 AT 01:07 MST ON JUL 06	269 ON JUL 06	3.45B ON JAN 05	1 330 000	1982
1983	---	163 ON APR 27	5.91B ON JAN 01	969 000	1983
1984	79.5 AT 03:46 MST ON MAY 20	74.3 ON MAY 20	10.5 ON JUL 09	684 000	1984
1985	310 AT 15:51 MST ON SEP 14	290 ON SEP 14	13.8 B ON JAN 01	944 000	1985
1986	608 AT 02:53 MST ON JUL 19	498 ON JUL 19	13.6 B ON FEB 19	1 990 000	1986
1987	---	90.1E ON JUL 24	15.2 B ON DEC 16	1 050 000	1987
1988	118 AT 02:18 MST ON AUG 21	109 ON AUG 20	8.98B ON DEC 08	910 000	1988
1989	112 AT 00:34 MST ON APR 14	106 ON AUG 20	10.6 B ON JAN 31	1 280 000	1989
1990	908 AT 09:33 MST ON JUN 04	863 ON JUN 04	11.4 B ON JAN 29	2 310 000	1990
				1 520 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	5.72	5.45	5.56	8.63	55.4	77.4	49.2	31.5	22.0	12.5	9.07	7.14	24.2	1973
1974	4.55	6.19	7.49	---	---	110	58.3	36.4	22.5	12.4	6.83	5.71	---	1974
1975	4.29	4.33	4.69	7.50	20.0	38.6	43.2	26.9	15.1	10.5	6.56	4.90	15.6	1975
1976	4.75	5.09	4.63	6.02	30.5	36.0	44.4	53.1	28.7	13.2	7.70	4.21	19.9	1976
1977	5.05	5.83	4.86	6.94	25.1	44.8	25.4	33.1	21.2	14.4	6.29	5.68	16.6	1977
1978	5.01	4.53	4.56	7.85	24.9	78.6	53.7	33.0	26.7	14.5	8.67	5.30	22.3	1978
1979	5.11	4.82	3.67	6.70	24.0	43.3	32.4	25.5	16.5	10.4	7.37	3.48	15.3	1979
1980	3.52	4.05	4.02	10.2	38.2	79.0	31.3	23.8	19.9	14.4	9.45	7.01	20.4	1980
1981	5.79	5.25	4.89	6.04	65.4	56.3	98.4	67.1	25.8	14.6	8.90	6.30	30.7	1981
1982	5.40	4.53	3.63	5.62	17.9	63.1	47.1	26.7	21.6	13.5	7.24	7.48	18.7	1982
1983	5.06	4.86	4.45	8.67	30.6	49.1	54.4	30.7	16.4	10.7	7.41	5.58	19.1	1983
1984	4.78	4.49	4.21	5.78	12.2	46.5	29.5	25.7	16.4	13.5	7.21	4.92	14.6	1984
1985	4.13	3.59	3.39	5.91	22.7	27.9	28.8	29.1	37.3	16.3	8.23	7.16	16.3	1985
1986	4.90	4.63	5.57	6.58	47.8	70.1	64.2	37.2	25.7	31.5	14.5	10.1	27.0	1986
1987	6.69	6.02	5.39	7.93	23.4	33.6	46.1	36.8	23.0	12.9	9.01	5.41	18.1	1987
1988	3.42	3.42	4.19	8.43	20.4	39.9	30.2	39.5	21.6	18.1	8.73	5.24	17.0	1988
1989	5.88	5.07	4.51	6.71	22.6	47.1	35.8	47.0	32.2	14.5	10.0	5.92	19.8	1989
1990	6.67	5.46	4.97	7.45	60.7	124	62.0	37.6	19.1	12.0	6.83	5.19	29.4	1990
MEAN	5.01	4.87	4.70	7.23	31.9	59.2	46.3	35.6	22.9	14.4	8.33	5.93	20.3	MEAN

LOCATION - LAT 51 38 45 N LONG 115 01 05 W DRAINAGE AREA, 2 250 km²
NATURAL FLOW

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	193 AT 07:30 MST ON JUN 24	159 ON JUN 24	5.10B ON FEB 25	764 000	1973
1974	311 AT 04:10 MST ON JUN 17	250 ON JUN 17	2.36B ON JAN 11	---	1974
1975	75.6 AT 12:00 MST ON JUL 14	66.0 ON JUL 14	2.29B ON MAR 08	493 000	1975
1976	103 AT 07:00 MST ON AUG 05	98.0 ON AUG 10	3.14 ON DEC 04	629 000	1976
1977	111 AT 02:30 MST ON JUN 09	98.3 ON JUN 08	3.40B ON NOV 22	524 000	1977
1978	194 AT 05:50 MST ON JUN 06	162 ON JUN 06	4.39B ON FEB 01	704 000	1978
1979	119 AT 07:00 MST ON MAY 27	98.8 ON MAY 27	2.32B ON DEC 17	483 000	1979
1980	139 AT 04:00 MST ON JUN 11	120 ON JUN 11	3.25B ON JAN 25	645 000	1980
1981	263 AT 11:35 MST ON JUL 30	217 ON JUL 30	2.90B ON APR 11	967 000	1981
1982	99.1 AT 05:04 MST ON JUN 15	86.8 ON JUN 15	3.00B ON APR 02	590 000	1982
1983	186 ON JUL 03	135 A ON JUL 03	4.00B ON MAR 19	602 000	1983
1984	122 A AT 04:05 MST ON MAY 31	82.1 ON JUN 30	3.60B ON MAR 14	462 000	1984
1985	127 AT 04:48 MST ON SEP 13	109 ON SEP 13	2.55B ON FEB 09	513 000	1985
1986	253 AT 03:20 MST ON MAY 29	190 A ON MAY 28	3.53B ON FEB 17	853 000	1986
1987	94.7 AT 09:21 MST ON JUN 17	72.6 ON JUN 17	2.80B ON DEC 30	571 000	1987
1988	151 AT 05:30 MST ON JUN 08	111 ON JUN 08	2.00B ON FEB 04 *	536 000	1988
1989	86.3 AT 05:44 MST ON AUG 20	80.8 ON AUG 20	2.80B ON FEB 01	626 000	1989
1990	693 AT 23:40 MST ON JUN 01 *	395 ON JUN 02 *	4.00B ON MAR 21	926 000	1990
				640 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	---	---	---	22.9	13.4	5.70	---	1960
1961	7.18	6.11	25.1	34.8	56.2	90.7	46.1	67.2	33.8	31.6	18.5	5.24	35.3	1961
1962	4.15	6.05	9.79	80.6	45.3	84.5	81.7	69.1	47.1	28.9	15.1	4.94	39.9	1962
1963	3.22	6.50	46.5	92.8	48.1	110	123	90.9	47.2	31.5	14.6	5.71	51.9	1963
1964	6.11	6.18	8.61	46.2	111	186	113	54.4	44.5	42.1	21.4	8.44	54.0	1964
1965	8.12	7.16	19.6	277	112	247	352	113	122	93.9	42.6	23.9	119	1965
1966	12.1	10.4	122	189	77.9	131	179	93.4	49.9	43.7	21.2	9.47	78.6	1966
1967	12.1	9.47	13.7	138	181	230	97.2	58.2	35.0	32.0	19.1	6.19	69.4	1967
1968	4.54	5.93	32.9	31.1	34.3	86.9	93.8	80.7	48.3	49.1	22.2	8.57	41.7	1968
1969	7.83	7.72	7.37	244	105	105	289	84.0	53.2	40.1	15.4	12.2	81.1	1969
1970	6.57	5.83	12.1	130	69.7	205	148	58.4	39.6	33.2	15.1	6.27	60.8	1970
1971	6.36	7.90	14.2	362	91.2	149	86.5	60.0	36.9	30.8	12.9	8.12	71.9	1971
1972	3.61	4.45	40.1	88.9	62.0	153	168	89.4	58.5	39.6	18.6	4.52	60.9	1972
1973	9.87	8.90	25.6	152	107	164	109	71.6	58.0	31.5	15.1	10.7	63.6	1973
1974	8.52	8.40	9.95	290	248	170	110	65.5	48.5	40.3	16.3	10.0	85.6	1974
1975	6.80	6.18	6.53	74.0	111	62.6	66.3	52.3	33.3	26.6	12.4	5.64	38.8	1975
1976	6.00	7.60	28.8	68.2	34.6	63.1	64.3	98.3	47.5	32.5	13.6	5.61	39.2	1976
1977	4.88	6.86	15.9	40.4	72.9	88.2	44.1	51.0	46.2	39.8	13.9	6.42	36.0	1977
1978	6.96	6.24	13.3	108	78.9	134	89.7	70.6	72.8	43.3	16.7	10.7	54.3	1978
1979	4.97	4.16	20.6	45.9	59.9	67.2	58.7	42.9	32.2	20.9	11.8	5.96	31.4	1979
1980	3.65	3.63	8.48	105	52.1	172	97.2	62.5	51.4	38.7	23.1	8.62	52.0	1980
1981	10.6	12.8	38.6	41.9	137	134	154	209	60.4	45.5	27.5	8.12	73.8	1981
1982	2.95	4.72	8.48	112	76.1	105	224	79.9	55.5	49.9	18.2	6.57	62.3	1982
1983	7.72	11.2	28.3	73.6	71.1	51.8	96.7	44.4	27.8	28.1	16.7	11.1	39.2	1983
1984	13.0	16.8	22.9	43.6	43.5	51.2	25.9	40.3	36.6	31.4	14.3	11.5	29.2	1984
1985	13.1	12.9	31.2	120	39.2	43.5	29.9	50.7	80.7	45.5	17.8	13.6	41.4	1985
1986	15.5	13.4	52.7	36.2	100	130	193	103	77.4	125	31.3	17.8	75.2	1986
1987	16.6	17.1	28.3	91.0	43.9	44.5	68.5	81.8	49.5	29.5	18.5	12.5	41.9	1987
1988	11.0	9.62	20.8	39.6	22.1	40.9	60.6	76.6	40.1	36.6	17.3	14.7	32.6	1988
1989	14.2	13.1	13.7	108	73.2	64.4	68.1	82.3	71.0	32.2	28.4	16.5	48.9	1989
1990	17.4	14.3	43.1	119	85.5	372	218	85.4	45.7	28.7	14.2	17.0	88.4	1990
MEAN	8.52	8.72	25.6	113	81.7	125	119	76.2	51.7	40.2	18.6	9.75	56.6	MEAN

LOCATION - LAT 50 54 10 N LONG 110 17 50 W
DRAINAGE AREA 44 700 km²
REGULATED SINCE 1908

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	199 AT 23:00 MST ON JUN 01	170 ON JUN 02	2.49B ON DEC 21	1 110 000	1961
1962	146 AT 10:00 MST ON JUL 15	132 ON JUL 15	2.89B ON JAN 22	1 260 000	1962
1963	---	202 ON JUN 25	2.66B ON JAN 13	1 640 000	1963
1964	---	399 ON JUN 23	4.47B ON JAN 14	1 710 000	1964
1965	---	---	---	---	1965
1966	544 AT 02:00 MST ON JUL 08	699 A ON APR 16	5.83B ON MAR 06	3 740 000	1966
1967	487 AT 05:00 MST ON JUN 04	510 ON JUL 08	7.90B ON MAR 01	2 480 000	1967
1968	140 AT 02:00 MST ON JUL 03	464 ON JUN 04	4.67B ON DEC 31	2 190 000	1968
1969	---	130 ON JUN 15	3.54B ON JAN 14	1 320 000	1969
		835 ON APR 10	7.19B ON MAR 14	2 560 000	
1970	---	---	---	---	1970
1971	869 AT 01:30 MST ON APR 16	878 A ON JUN 20	4.05B ON JAN 28	1 920 000	1971
1972	558 AT 09:20 MST ON JUN 29	779 ON APR 17	4.11B ON DEC 31	2 270 000	1972
1973	297 AT 14:40 MST ON APR 05	513 ON JUN 29	2.86B ON DEC 03	1 930 000	1973
1974	756 AT 11:10 MST ON APR 22	267 ON JUN 01	7.42B ON FEB 17	2 010 000	1974
		733 ON APR 22	6.65B ON JAN 17	2 700 000	
1975	---	---	---	---	1975
1976	212 AT 03:15 MST ON AUG 19	374 A ON APR 24	3.14B ON DEC 07	1 220 000	1976
1977	163 AT 10:10 MST ON JUN 04	182 ON AUG 19	5.07B ON DEC 12	1 240 000	1977
1978	233 AT 15:30 MST ON JUN 12	157 ON JUN 04	4.33B ON JAN 21	1 130 000	1978
1979	110 AT 22:00 MST ON JUN 01	227 ON JUN 12	5.55B ON MAR 06	1 710 000	1979
		104 ON APR 28	3.74B ON FEB 16	990 000	
1980	296 AT 20:00 MST ON JUN 09	289 ON JUN 09	2.75B ON JAN 31	1 650 000	1980
1981	661 AT 10:30 MST ON AUG 04	648 ON AUG 04	3.05B ON DEC 31	2 330 000	1981
1982	901 E AT 00:15 MST ON JUL 11	700 A ON JUL 10	2.20B ON JAN 22 *	1 970 000	1982
1983	182 AT 11:12 MST ON JUL 13	177 ON JUL 13	6.58B ON JAN 09	1 240 000	1983
1984	80.9 AT 10:41 MST ON MAY 25	79.1 ON MAY 25	9.20B ON DEC 25	924 000	1984
1985	243 AT 05:50 MST ON APR 06	227 ON APR 06	8.20B ON NOV 27	1 310 000	1985
1986	538 AT 16:45 MST ON JUL 22	513 ON JUL 22	11.1 B ON FEB 15	2 370 000	1986
1987	212 AT 19:20 MST ON APR 12	188 ON APR 08	9.14B ON DEC 14	1 320 000	1987
1988	134 AT 20:39 MST ON AUG 24	128 ON AUG 25	7.00B ON FEB 05	1 030 000	1988
1989	234 AT 23:12 MST ON APR 17	219 ON APR 17	11.7 B ON FEB 08	1 540 000	1989
1990	997 AT 16:34 MST ON JUN 06 *	919 ON JUN 06 *	9.15B ON NOV 21	2 790 000	1990
				1 790 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	43.3	32.2	12.3	---	1917
1918	12.4	12.3	73.9	112	58.4	99.5	65.0	51.9	40.4	38.4	22.5	8.79	49.7	1918
1919	6.20	6.05	8.29	103	89.2	60.0	45.1	73.4	49.3	23.0	11.0	7.91	40.3	1919
1920	8.45	10.7	11.4	211	406	130	164	63.3	37.6	24.9	11.8	6.26	90.8	1920
1921	4.02	5.40	10.5	135	82.5	82.3	68.1	54.3	32.5	19.4	9.57	4.12	42.4	1921
1922	1.67	0.985	6.34	48.5	92.9	89.0	73.0	80.4	49.5	25.7	10.3	1.88	40.4	1922
1923	1.64	1.56	3.40	40.9	46.6	350	179	141	72.9	43.0	22.2	10.1	76.1	1923
1924	3.59	5.54	6.73	32.2	97.0	102	114	113	57.7	39.4	19.1	9.98	50.2	1924
1925	4.64	4.28	12.2	179	62.3	111	78.4	101	99.5	86.0	42.6	21.2	66.9	1925
1926	14.6	16.1	140	103	52.7	114	97.7	68.1	312	135	61.2	27.6	95.2	1926
1927	16.1	7.52	20.0	277	162	201	179	137	126	79.5	36.4	23.0	106	1927
1928	20.3	18.6	116	137	90.2	475	358	90.9	65.5	38.9	20.4	11.4	120	1928
1929	6.21	3.88	17.7	40.7	78.2	183	57.2	52.3	39.7	26.8	14.4	7.05	44.0	1929
1930	4.11	12.9	23.0	55.9	55.4	99.7	87.8	57.9	47.6	31.8	22.2	8.14	42.3	1930
1931	6.04	5.71	9.11	20.2	34.5	102	125	51.9	41.9	24.5	14.9	---	---	1931
1932	---	---	---	36.9	---	---	---	---	---	---	---	---	---	1932
1935	---	---	---	---	---	---	---	---	48.8	34.3	8.75	6.41	---	1935
1936	4.02	4.28	7.39	195	85.0	109	---	---	---	---	---	---	---	1936
1944	---	---	10.9	48.2	37.4	211	113	171	61.8	46.2	---	---	---	1944
1945	---	---	30.7	43.4	97.9	141	117	74.5	73.0	72.1	---	---	---	1945
1946	---	---	---	115	49.6	199	139	62.4	80.7	56.8	---	---	---	1946
1947	---	---	76.3	102	124	138	110	76.3	86.4	74.9	---	---	---	1947
1948	---	---	10.7	345	591	215	113	92.6	45.7	34.1	---	---	---	1948
1949	---	---	15.7	61.0	49.0	52.7	56.7	52.9	27.0	24.1	18.6	6.98	---	1949
1950	2.91	3.44	4.94	50.6	49.6	91.7	101	63.1	31.9	30.0	8.08	3.23	36.9	1950
1951	3.99	3.99	3.63	167	168	135	172	103	172	80.0	46.5	27.2	90.5	1951
1952	14.7	13.1	26.8	412	87.7	253	190	103	56.9	41.8	22.5	11.4	102	1952
1953	7.08	8.84	13.7	67.1	137	338	197	108	75.2	38.8	24.4	13.6	85.9	1953
1954	10.2	11.0	18.5	105	207	296	147	282	362	109	66.6	28.8	137	1954
1955	11.8	15.4	13.5	250	218	146	127	66.3	42.7	37.9	10.6	6.43	78.9	1955
1956	6.56	8.40	35.5	252	86.6	118	114	78.1	54.2	35.7	26.9	12.9	68.8	1956
1957	8.02	6.59	21.1	111	100	95.1	62.6	55.3	44.5	31.0	19.5	14.4	47.9	1957
1958	5.88	6.42	14.0	198	98.6	113	122	61.4	45.9	31.0	14.3	7.01	60.3	1958
1959	5.22	3.26	23.7	41.9	37.4	94.6	166	72.7	36.3	37.4	17.7	15.4	46.2	1959
1960	8.12	9.13	55.3	150	68.9	91.6	87.5	67.8	37.8	---	---	---	---	1960
MEAN	7.63	7.89	27.0	131	116	157	124	88.0	76.6	46.9	23.8	12.1	70.4	MEAN

LOCATION - LAT 50 57 50 N DRAINAGE AREA, 46 800 km²
LONG 110 01 40 W REGULATED SINCE 1908

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	334B ON MAR 27	6.80 B ON DEC 31	1 570 000	1918
1919	---	221 ON MAY 14	5.44 B ON FEB 24	1 270 000	1919
1920	---	733 ON MAY 11	3.68 B ON DEC 31	2 870 000	1920
1921	---	309 ON APR 18	2.83 B ON DEC 31	1 340 000	1921
1922	---	145 ON MAY 07	0.510B ON JAN 24 *	1 270 000	1922
1923	---	793E ON JUN 04	0.850B ON MAR 04	2 400 000	1923
1924	---	208 ON JUL 04	1.61 B ON JAN 11	1 590 000	1924
1925	---	348 ON APR 13	3.11 B ON FEB 07	2 110 000	1925
1926	---	547 ON SEP 14	12.3 B ON JAN 30	3 000 000	1926
1927	---	396B ON APR 17	7.19 B ON FEB 10	3 330 000	1927
1928	---	949 ON JUN 22	8.35 B ON DEC 31	3 800 000	1928
1929	---	674E ON JUN 06	3.51 B ON MAR 08	1 390 000	1929
1930	---	138 ON JUN 30	2.94 B ON JAN 28	1 330 000	1930
1931	---	362 ON JUN 20	---	---	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1944	---	425 ON AUG 05	---	---	1944
1945	---	268 ON MAY 31	---	---	1945
1946	---	309 ON JUN 28	---	---	1946
1947	---	396 ON MAR 26	---	---	1947
1948	---	1 310 ON APR 27 *	---	---	1948
1949	---	109 ON JUL 30	---	---	1949
1950	---	202 ON JUN 21	2.21 B ON DEC 05	1 160 000	1950
1951	---	450B ON APR 06	2.04 B ON MAR 22	2 850 000	1951
1952	---	1 020 ON JUN 27	6.34 B ON NOV 29	3 240 000	1952
1953	---	748 ON JUN 07	3.17 B ON JAN 22	2 710 000	1953
1954	---	1 150 ON AUG 29	7.39 B ON JAN 17	4 330 000	1954
1955	---	648B ON APR 06	1.96 B ON DEC 05	2 490 000	1955
1956	---	464 ON APR 11	5.24 B ON JAN 11	1 170 000	1956
1957	---	185 ON APR 01	3.10 B ON JAN 28	1 510 000	1957
1958	---	382 ON APR 09	3.54 B ON DEC 21	1 900 000	1958
1959	---	459 ON JUL 01	2.49 B ON FEB 14	1 460 000	1959
1960	---	368B ON MAR 27	---	---	1960
				2 220 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR JENNER - STATION NO. 05CJ009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	46.4	47.2	27.3	7.76	---	1964
1965	7.43	6.95	17.9	---	---	---	---	137	130	93.4	52.1	26.4	---	1965
1966	13.9	12.9	31.0	128	90.0	119	168	87.2	51.8	41.0	15.7	11.0	64.4	1966
1967	12.8	11.4	---	---	---	---	---	---	---	---	---	---	---	1967
MEAN	11.4	10.4	24.5	128	90.0	119	168	112	76.1	60.5	31.7	15.1	64.4	MEAN

LOCATION - LAT 50 50 38 N DRAINAGE AREA, 41 000 km²
LONG 111 09 12 W NATURAL FLOW

RED DEER RIVER NEAR JENNER - STATION NO. 05CJ009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	654E ON JUL 07 *	8.21B ON DEC 11 *	2 030 000	1966
1967	---	---	---	---	1967
				2 030 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	30.8	46.9	197	89.8	151	48.0	34.5	17.9	10.0	---	1944
1945	8.45	8.77	12.6	32.4	110	115	85.3	62.0	52.1	49.4	19.2	14.2	64.8	1945
1946	13.6	11.8	40.2	84.6	50.0	183	97.7	47.3	53.5	34.8	17.5	11.6	73.5	1946
1947	11.0	10.9	31.1	133	125	141	82.8	52.5	67.5	52.2	28.6	18.4	85.2	1947
1948	14.7	11.6	10.6	187	516	176	80.7	70.6	35.1	23.9	16.2	7.59	138	1948
1949	8.12	7.52	10.5	42.8	34.9	39.4	49.5	34.4	17.8	15.8	11.6	4.56	30.6	1949
1950	4.55	5.73	5.83	36.7	48.0	94.7	74.6	42.2	23.7	---	---	---	---	1950
1951	---	---	8.94	63.8	129	131	148	76.4	140	57.6	---	---	94.2	1951
1952	---	---	17.1	268	70.1	260	135	78.9	45.4	29.0	---	---	112	1952
1953	---	---	12.9	57.3	120	311	147	96.8	54.6	28.3	---	---	103	1953
1954	---	---	13.9	70.3	250	301	116	289	213	83.3	---	---	167	1954
1955	---	---	14.8	197	179	116	99.0	43.1	31.0	21.9	---	---	87.7	1955
1956	---	---	19.8	129	72.2	97.5	93.4	50.0	48.1	17.4	---	---	53.2	1956
1957	---	---	14.1	87.3	90.2	67.3	37.4	30.0	26.3	24.2	---	---	46.9	1957
1958	---	---	11.5	112	84.7	91.4	113	48.5	32.2	20.1	---	---	64.0	1958
MEAN	10.1	9.39	16.0	102	128	155	96.6	78.2	57.9	35.3	18.5	11.1	86.9	MEAN

LOCATION - LAT 52 18 00 N DRAINAGE AREA, 15 100 km²
LONG 113 04 00 W NATURAL FLOW

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	490 ON AUG 02	---	---	1944
1945	---	260 ON JUN 01	8.44B ON MAR 05	1 370 000	1945
1946	---	281 ON JUN 24	12.4 B ON MAR 05	1 560 000	1946
1947	---	462 ON MAY 12	10.2 B ON MAR 03	1 800 000	1947
1948	---	838 ON MAY 10	10.2 B ON MAR 01	2 910 000	1948
1949	---	87.8 ON JUL 28	8.67B ON MAR 01	648 000	1949
1950	---	286 ON JUN 17	5.10B ON MAR 10 *	---	1950
1951	---	385 ON SEP 04	5.49B ON MAR 04	1 990 000	1951
1952	1 250 ON JUN 25	1 040 ON JUN 25	11.1 B ON MAR 19	2 370 000	1952
1953	759 ON JUN 05	677 ON JUN 05	9.83B ON MAR 01	2 180 000	1953
1954	1 560 ON AUG 27 *	1 260 ON AUG 26 *	8.61B ON MAR 09	3 530 000	1954
1955	---	362 B ON APR 08	12.6 B ON MAR 01	1 860 000	1955
1956	---	334 B ON APR 15	6.51B ON MAR 24	1 340 000	1956
1957	---	181 ON APR 19	5.80B ON MAR 23	994 000	1957
1958	---	311 B ON APR 10	8.85B ON APR 03	1 350 000	1958
				1 840 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	---	11.3	---	---	---	1950
1951	---	---	---	---	---	67.3	75.7	45.5	56.7	29.9	---	---	---	1951
1952	---	---	---	18.8	32.2	95.7	63.8	49.9	23.4	14.7	---	---	---	1952
1953	---	---	---	---	33.1	136	79.8	39.2	24.6	14.2	---	---	---	1953
1954	---	---	4.99	6.39	38.1	93.0	76.0	92.9	54.4	24.6	---	---	---	1954
1955	---	---	---	---	24.5	63.4	56.4	26.3	18.4	12.0	---	---	---	1955
1956	---	---	5.63	9.83	39.6	59.9	46.2	28.3	17.6	10.4	---	---	---	1956
1957	---	---	4.49	12.9	49.0	44.6	28.3	25.0	21.5	16.0	---	---	---	1957
1958	---	---	5.17	24.3	62.9	66.5	70.2	38.3	24.6	11.8	---	---	---	1958
1959	---	---	6.27	7.73	24.3	87.1	62.0	32.6	24.4	16.8	---	---	---	1959
1960	---	---	9.84	10.7	24.3	50.4	48.6	30.9	16.1	11.3	---	---	---	1960
1961	---	---	4.23	5.41	41.5	63.2	37.7	43.1	19.6	16.6	---	---	---	1961
1962	---	---	5.28	11.6	28.2	50.5	46.6	34.2	20.3	12.2	---	---	---	1962
1963	---	---	5.27	9.59	25.7	84.0	91.7	47.0	30.5	17.0	---	---	---	1963
1964	---	---	---	---	35.5	124	81.8	27.6	20.9	17.8	---	---	---	1964
1965	---	---	7.97	14.3	21.9	125	107	55.3	53.5	34.5	---	---	---	1965
1966	---	---	11.0	10.1	45.9	60.3	77.2	43.0	25.3	16.7	---	---	---	1966
1967	---	---	5.44	9.02	40.3	99.1	45.9	29.2	19.7	11.7	---	---	---	1967
1968	---	---	5.83	8.92	20.6	61.0	47.0	35.3	22.8	19.0	---	---	---	1968
1969	---	---	6.39	18.8	55.4	89.0	98.4	36.7	21.4	13.0	9.20	7.65	---	1969
1970	4.47	5.26	4.94	5.97	25.8	84.0	45.3	26.5	14.0	8.96	6.65	4.58	19.7	1970
1971	4.48	4.68	4.50	6.32	33.4	78.0	41.4	33.4	16.6	9.37	5.68	3.88	20.2	1971
1972	4.14	4.93	5.52	7.30	25.8	103	57.5	37.1	24.3	15.7	---	---	---	1972
1973	---	---	---	---	---	67.2	45.9	31.3	22.4	13.3	---	---	---	1973
MEAN	4.36	4.96	6.04	11.0	34.7	80.5	62.2	38.6	25.8	15.9	7.18	5.37	20.0	MEAN

LOCATION - LAT 51 42 00 N DRAINAGE AREA, 2 490 km²
LONG 114 51 20 W NATURAL FLOW

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1950	---	---	---	---	1950
1951	151 AT 05:00 MST ON JUN 15	133 ON JUN 15	---	---	1951
1952	464 AT 09:00 MST ON JUN 23	399 ON JUN 23	---	---	1952
1953	286 AT 12:00 MST ON JUN 03	266 ON JUN 03	---	---	1953
1954	544 AT 08:00 MST ON AUG 25	396 ON AUG 25	---	---	1954
1955	172 AT 04:00 MST ON JUN 13	138 ON JUN 13	---	---	1955
1956	131 AT 14:00 MST ON JUN 05	119 ON JUN 05	---	---	1956
1957	83.8 AT 16:00 MST ON JUN 08	74.2 ON MAY 20	---	---	1957
1958	114 AT 12:00 MST ON JUL 06	100 ON JUL 06	---	---	1958
1959	227 AT 06:00 MST ON JUN 27	195 ON JUN 27	---	---	1959
1960	96.0 AT 07:00 MST ON JUL 02	84.7 ON JUL 01	---	---	1960
1961	141 AT 14:00 MST ON MAY 27	131 ON MAY 27	---	---	1961
1962	77.3 AT 08:00 MST ON JUN 18	69.4 ON JUN 18	---	---	1962
1963	177 AT 01:00 MST ON JUN 30	143 ON JUN 30	---	---	1963
1964	277 AT 23:00 MST ON JUL 03	212 ON JUL 04	---	---	1964
1965	654 AT 15:00 MST ON JUN 18 *	578 ON JUN 18 *	---	---	1965
1966	243 AT 20:00 MST ON JUL 03	174 ON JUL 03	---	---	1966
1967	464 AT 23:30 MST ON MAY 30	306 ON MAY 31	---	---	1967
1968	---	85.8 ON JUN 12	---	---	1968
1969	283 AT 11:30 MST ON JUN 29	240 ON JUN 29	---	---	1969
1970	513 AT 13:00 MST ON JUN 16	362 ON JUN 16	3.48B ON NOV 30 *	622 000	1970
1971	222 AT 11:00 MST ON JUN 06	184 ON JUN 06	3.68B ON DEC 26	636 000	1971
1972	289 AT 08:00 MST ON JUN 25	253 ON JUN 25	---	---	1972
1973	---	138 ON JUN 24	---	---	1973
				629 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDEARTH CREEK NEAR RED EARTH CREEK - STATION NO. 07JC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0.061	1.43	1.90	2.58	0.797	4.39	1.01	0.602	---	---	1.60	1987
1988	---	---	0.071	1.18	1.77	3.95	11.2	1.47	0.142	0.379	---	---	2.52	1988
1989	---	---	0.055	0.909	3.17	4.21	1.28	2.39	1.33	3.40	---	---	2.09	1989
1990	---	---	0.118	2.36	5.22	3.70	1.53	0.079	0.146	0.213	---	---	1.66	1990
MEAN	---	---	0.076	1.47	3.02	3.61	3.70	2.08	0.657	1.15	---	---	1.97	MEAN

LOCATION - LAT 56 32 40 N DRAINAGE AREA, 619 km²
LONG 115 14 20 W NATURAL FLOW

REDEARTH CREEK NEAR RED EARTH CREEK - STATION NO. 07JC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1987	8.21 AT 08:30 MST ON AUG 16	8.20 ON AUG 16	0.054B ON MAR 04	33 800	1987
1988	15.5 AT 08:00 MST ON JUL 19 *	15.5 ON JUL 19 *	0.060B ON MAR 04	53 400	1988
1989	7.35 AT 20:30 MST ON JUN 07	7.28 ON JUN 07	0.050B ON MAR 14 *	44 300	1989
1990	7.33 AT 09:00 MST ON MAY 09	7.30 ON MAY 08	0.059 ON AUG 14	35 200	1990
				41 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	2.41	1.79	---	---	---	1973
1974	---	---	---	---	2.14	18.1	12.3	5.33	2.66	1.37	---	---	6.94	1974
1975	---	---	---	---	1.75	10.1	9.33	5.58	3.07	1.83	---	---	5.26	1975
1976	---	---	---	---	5.10	10.6	13.5	8.41	3.83	2.23	---	---	7.60	1976
1977	---	---	---	---	3.89	9.21	5.10	5.45	3.57	1.95	---	---	4.74	1977
1978	---	---	---	---	2.39	12.5	9.18	4.93	3.05	2.45	---	---	5.82	1978
1979	---	---	---	---	2.37	11.3	6.85	3.36	2.06	1.34	---	---	4.53	1979
1980	---	---	---	---	11.6	10.2	4.85	3.44	3.24	2.62	---	---	5.99	1980
1981	---	---	---	---	8.06	10.7	14.9	7.19	2.76	1.48	---	---	7.52	1981
1982	---	---	---	---	2.34	15.6	7.96	4.37	4.09	1.82	---	---	5.99	1982
1983	---	---	---	---	4.03	11.1	7.80	4.10	2.14	1.23	---	---	5.05	1983
1984	---	---	---	---	1.43	12.5	7.99	4.58	2.95	1.68	---	---	5.17	1984
1985	---	---	---	---	5.83	10.6	5.58	3.27	3.30	1.79	---	---	5.04	1985
1986	---	---	---	---	2.61	18.1	8.85	4.93	2.29	1.76	---	---	6.88	1986
1987	---	---	---	---	7.27	8.99	5.53	3.81	2.25	1.25	---	---	4.83	1987
1988	---	---	---	---	5.36	11.5	7.53	4.34	2.37	2.14	---	---	5.52	1988
1989	---	---	---	---	2.93	13.8	7.56	6.06	3.53	1.75	---	---	5.91	1989
1990	---	---	---	---	4.51	16.9	11.4	4.50	2.09	1.46	---	---	6.77	1990
MEAN	---	---	---	---	4.50	12.5	8.60	4.91	3.03	1.74	---	---	5.86	MEAN

LOCATION - LAT 51 13 22 N LONG 115 48 40 W DRAINAGE AREA, 147 km² NATURAL FLOW

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	---	---	---	1973
1974	42.5 AT 21:00 MST ON JUN 24 *	39.4 ON JUN 24 *	1.09 E ON OCT 31	110 000	1974
1975	15.5 AT 03:30 MST ON JUN 26	14.8 ON JUN 26	0.934B ON MAY 01	83 700	1975
1976	23.4 AT 19:15 MST ON JUL 01	21.8 ON JUL 01	0.872 ON MAY 01	121 000	1976
1977	23.0 AT 19:30 MST ON JUN 08	19.7 ON JUN 08	1.17 ON OCT 31	75 400	1977
1978	18.4 AT 13:30 MST ON JUN 09	17.5 ON JUN 09	0.977 ON MAY 08	92 500	1978
1979	17.8 AT 23:00 MST ON JUN 12	15.9 ON JUN 13	0.720E ON MAY 01	71 900	1979
1980	27.7 AT 18:15 MST ON MAY 21	24.6 ON MAY 21	1.67 ON OCT 31	95 200	1980
1981	38.5 AT 20:55 MST ON MAY 26	33.0 ON MAY 26	1.17 ON OCT 21	120 000	1981
1982	24.9 AT 23:00 MST ON JUN 15	23.3 ON JUN 16	0.543 ON MAY 01 *	95 200	1982
1983	21.5 AT 20:45 MST ON MAY 30	20.0 ON MAY 30	0.820 ON MAY 04	80 300	1983
1984	37.2 AT 19:34 MST ON JUN 29	29.4 ON JUN 29	0.721 ON MAY 11	82 200	1984
1985	23.1 AT 20:20 MST ON MAY 25	21.4 ON MAY 25	0.650E ON MAY 01	80 100	1985
1986	33.0 AT 22:52 MST ON MAY 30	30.7 ON JUN 02	0.563 ON MAY 01	109 000	1986
1987	17.8 AT 14:25 MST ON MAY 12	14.9 ON MAY 12	1.06 ON OCT 23	76 800	1987
1988	33.1 AT 01:05 MST ON JUN 08	27.3 ON JUN 08	1.02 ON MAY 05	87 800	1988
1989	31.8 AT 11:32 MST ON JUN 15	28.8 ON JUN 15	1.15 ON MAY 01	93 900	1989
1990	27.4 AT 17:56 MST ON JUN 01	25.6 ON JUN 24	0.852 ON MAY 02	108 000	1990
				93 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR REDWATER - STATION NO. 05EC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.655	0.861	0.207	0.110	---	---	---	1972
1973	---	---	0.214	3.83	1.09	1.19	0.266	0.688	0.360	0.687	---	---	1.03	1973
1974	---	---	0.085	32.4	13.7	3.07	7.65	1.55	0.548	0.578	---	---	7.40	1974
1975	---	---	0.125	2.51	2.24	0.768	1.05	0.862	1.21	0.445	---	---	1.15	1975
1976	---	---	0.118	3.55	0.648	0.353	0.206	0.178	0.042	0.024	---	---	0.632	1976
1977	---	---	0.058	6.04	2.43	0.240	0.232	0.316	0.322	0.254	---	---	1.23	1977
1978	---	---	0.205	5.79	1.73	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.134	9.02	3.64	1.12	1.68	0.743	0.448	0.350	---	---	2.29	MEAN

LOCATION - LAT 53 56 55 N LONG 113 03 30 W DRAINAGE AREA, 1 490 km² NATURAL FLOW

REDWATER RIVER NEAR REDWATER - STATION NO. 05EC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	9.97 AT 13:15 MST ON APR 07	9.74 ON APR 06	0 ON SEP 17 *	21 800	1973
1974	115 AT 11:40 MST ON APR 25 *	110 ON APR 24 *	0.085B ON MAR 01	157 000	1974
1975	10.5 AT 13:30 MST ON APR 25	10.2 ON APR 26	0.116B ON MAR 22	24 300	1975
1976	12.5 AT 00:01 MST ON APR 08	11.0 ON APR 08	0.022 ON SEP 13	13 400	1976
1977	19.3 AT 01:30 MST ON APR 14	16.8 ON APR 14	0.003 ON JUN 21	25 900	1977
1978	15.8 AT 21:20 MST ON APR 08	14.8 ON APR 08	---	---	1978
				48 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05EC005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.074	0.082	2.06	1.68	---	---	---	1978
1979	---	---	1.03	12.7	7.58	1.59	2.66	0.626	0.046	0.149	---	---	3.28	1979
1980	---	---	0.045	2.26	0.376	0.074	0.069	0.321	0.927	0.707	---	---	0.591	1980
1981	---	---	2.43	11.8	1.89	0.563	0.199	0.077	0.008	0.019	---	---	2.10	1981
1982	---	---	0.046	6.28	7.54	0.515	0.279	0.141	0.040	0.053	---	---	1.86	1982
1983	---	---	0.037	0.737	0.221	1.66	3.93	0.378	0.057	0.072	---	---	0.887	1983
1984	---	---	0.285	0.877	0.453	0.657	0.069	0.026	0.015	0.040	---	---	0.300	1984
1985	---	---	1.24	8.08	1.72	0.239	0.160	0.017	0.010	0.014	---	---	1.42	1985
1986	---	---	2.90	3.77	0.645	0.047	1.20	0.704	0.035	0.058	---	---	1.17	1986
1987	---	---	0.044	5.39	1.65	0.311	0.076	0.072	0.146	0.067	---	---	0.957	1987
1988	---	---	0.063	0.182	0.228	0.319	1.72	0.135	0.036	0.014	---	---	0.339	1988
1989	---	---	0.016	1.43	1.38	0.934	1.29	0.251	0.067	0.160	---	---	0.689	1989
1990	---	---	0.337	3.72	0.481	0.041	0.108	0.029	0.005	0.007	---	---	0.582	1990
MEAN	---	---	0.706	4.77	2.01	0.579	0.910	0.220	0.266	0.234	---	---	1.18	MEAN

LOCATION - LAT 53 53 49 N, LONG 112 59 46 W DRAINAGE AREA, 1 550 km² NATURAL FLOW

REDWATER RIVER NEAR THE MOUTH - STATION NO. 05EC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	15.8 AT 21:20 MST ON APR 08	---	---	---	1978
1979	26.9 B AT 01:00 MST ON APR 20	26.5 A ON APR 25	0.003 ON OCT 06	69 400	1979
1980	9.31B AT 07:35 MST ON APR 16	7.94B ON APR 16	0.004 ON AUG 02	12 500	1980
1981	27.7 AT 21:30 MST ON APR 02	26.6 B ON APR 02	0.001 ON SEP 10 *	44 500	1981
1982	29.2 AT 10:20 MST ON APR 28 *	28.9 ON APR 28 *	0.015 ON SEP 25	39 300	1982
1983	8.46 AT 07:50 MST ON JUN 29	8.27 ON JUN 29	0.019B ON MAR 03	10 800	1983
1984	3.01 AT 06:15 MST ON APR 05	2.73B ON APR 05	0.008B ON MAR 17	6 350	1984
1985	26.7 B AT 09:06 MST ON APR 07	20.6 B ON APR 07	0.001 ON AUG 25	30 000	1985
1986	---	8.64B ON APR 03	0.014 ON SEP 25	24 700	1986
1987	---	13.8 B ON APR 13	0.021 ON JUL 30	20 300	1987
1988	4.00 AT 14:10 MST ON JUL 11	3.82 ON JUL 11	0.011 ON OCT 13	7 180	1988
1989	---	4.22B ON APR 16	0.012B ON MAR 28	14 600	1989
1990	---	8.88B ON APR 05	0.003 ON AUG 28	12 300	1990
				25 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR VIMY - STATION NO. 05EC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	1.20	5.69	0.144	0	0	0	0	0	---	---	0.866	1985
1986	---	---	3.79	0.488	0.080	0.084	0.271	0.064	0.002	0.018	---	---	0.604	1986
1987	---	---	0	3.77	0.074	0.112	0.005	0.004	0.002	0.001	---	---	0.486	1987
1988	---	---	0	0.003	0.002	0.029	0.638	0.042	0.023	0.002	---	---	0.093	1988
1989	---	---	0	0.988	0.030	0.009	0.177	0.005	0.004	0	---	---	0.149	1989
1990	---	---	1.42	0.598	0.081	0.023	0.114	0	0	0.001	---	---	0.280	1990
MEAN	---	---	1.07	1.92	0.069	0.043	0.201	0.019	0.005	0.004	---	---	0.413	MEAN

LOCATION - LAT 54 05 39 N, LONG 113 33 59 W DRAINAGE AREA, 469 km² NATURAL FLOW

REDWATER RIVER NEAR VIMY - STATION NO. 05EC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	26.7 AT 22:49 MST ON APR 01 *	23.0 ON APR 03 *	0B ON MAR 01 *	18 300	1985
1986	---	6.00B ON MAR 21	0B ON MAR 01	12 800	1986
1987	20.8 B AT 14:24 MST ON APR 05	15.7 B ON APR 05	0B ON MAR 01	10 300	1987
1988	1.44 AT 06:10 MST ON JUL 09	1.40 ON JUL 09	0B ON MAR 01	1 970	1988
1989	---	2.85B ON APR 10	0B ON MAR 01	3 160	1989
1990	---	5.07B ON MAR 29	0B ON MAR 01	5 930	1990
				8 740	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.030	0.104	0.185	---	---	---	1984
1985	---	---	1.82	0.959	0.162	0.021	0.004	0.049	0.006	0.164	---	---	0.399	1985
1986	---	---	0.774	0.057	0.241	0.015	0.112	0.149	0.018	0.162	---	---	0.193	1986
1987	---	---	0.003	1.80	0.040	0.007	0.007	0.006	0.013	0.005	---	---	0.230	1987
1988	---	---	0.016	0.458	0.111	0.020	0.007	0.008	0.002	0.001	---	---	0.077	1988
1989	---	---	0.004	0.401	0.116	0.009	0.037	0.010	0.002	0.007	---	---	0.072	1989
1990	---	---	2.02	0.655	0.110	1.14	0.656	0.021	0.020	0.015	---	---	0.579	1990
MEAN	---	---	0.773	0.722	0.130	0.202	0.137	0.039	0.024	0.077	---	---	0.258	MEAN

LOCATION - LAT 52 31 18 N, LONG 112 23 13 W DRAINAGE AREA, 825 km² NATURAL FLOW

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	0 ON SEP 01 *	---	1984
1985	---	12.4 B ON MAR 21 *	0.001 ON AUG 30	8 450	1985
1986	---	3.20B ON MAR 03	0.002 ON APR 14	4 090	1986
1987	8.00E ON APR 04 *	7.60A ON APR 04	0 B ON MAR 01	4 870	1987
1988	7.00 AT 07:49 MST ON JUN 30	2.41B ON APR 10	0 B ON MAR 01	1 630	1988
1989	---	1.39B ON APR 04	0 B ON MAR 01	1 530	1989
1990	---	10.8 B ON MAR 21	0.001B ON MAR 01	12 300	1990
				5 480	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC904

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	0.108	0.129	0.093	1.18	0.021	0.002	0.009	---	---	0.223	1983
1984	---	---	---	---	---	---	---	---	---	---	---	---	---	1984
MEAN	---	---	---	0.108	0.129	0.093	1.18	0.021	0.002	0.009	---	---	0.223	MEAN

LOCATION - LAT 52 31 00 N, LONG 112 23 00 W DRAINAGE AREA, 825 km² NATURAL FLOW DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	5.82 AT 13:54 MST ON JUL 04 *	5.04 ON JUL 05 *	0 ON MAY 03 *	4 130	1983
1984	0.975 AT 04:54 MST ON MAY 09	---	---	---	1984
				4 130	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	0.964	0.594	0.522	17.8	15.7	12.7	29.2	4.55	0.617	0.710	1.14	0.545	7.13	1983
1984	0.369	0.271	0.403	2.68	14.8	9.96	0.986	0.137	3.37	3.27	1.31	0.491	3.17	1984
1985	0.321	0.151	0.259	3.58	8.44	3.43	0.731	0.357	7.76	7.73	2.93	0.700	2.97	1985
1986	0.346	0.263	2.31	6.39	18.6	9.69	15.0	1.04	0.741	4.14	1.38	0.738	5.10	1986
1987	0.713	0.644	0.426	12.1	11.1	2.12	0.598	20.8	1.15	0.381	0.368	0.211	4.25	1987
1988	0.082	0.116	0.504	4.28	3.86	4.56	3.80	0.172	0.046	0.060	0.050	0.021	1.46	1988
1989	0	0	0.008	2.58	10.5	7.31	14.1	32.6	10.4	3.97	2.67	1.19	7.19	1989
1990	0.578	0.360	0.920	9.93	18.9	76.2	8.64	0.454	0.428	0.413	0.537	0.532	9.78	1990
MEAN	0.424	0.302	0.669	7.42	12.7	15.7	9.13	7.51	3.06	2.58	1.19	0.554	5.13	MEAN

LOCATION - LAT 55 04 55 N, LONG 119 31 30 W DRAINAGE AREA, 1 610 km² NATURAL FLOW

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	43.8 AT 17:57 MST ON JUL 27	36.8 ON JUN 28	0.346 ON OCT 12	225 000	1983
1984	38.9 AT 09:30 MST ON MAY 18	38.0 ON MAY 18	0.090B ON MAR 16	100 000	1984
1985	17.0 AT 18:00 MST ON SEP 19	16.9 ON SEP 19	0.130B ON MAR 05	93 500	1985
1986	44.8 AT 13:00 MST ON JUL 19	43.6 ON JUL 19	0.214B ON FEB 13	161 000	1986
1987	65.3 AT 09:30 MST ON AUG 03	64.2 ON AUG 03	0.131B ON DEC 30	134 000	1987
1988	12.9 AT 16:00 MST ON JUL 13	11.8 ON JUL 14	0 E ON DEC 30 *	46 200	1988
1989	110 AT 14:30 MST ON AUG 24	100 A ON AUG 24	0 B ON JAN 01	227 000	1989
1990	660 AT 05:00 MST ON JUN 13 *	585 A ON JUN 13 *	0.204 ON SEP 28	308 000	1990
				162 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.050	0.269	0.155	0.032	0.010	0.002	0.001	0	---	---	0.065	1981
1982	0	0	0	0.113	0.131	0.098	0.109	0.096	0.042	0.008	0.015	0.022	0.075	1982
1983	0.006	0	0.001	0.170	0.206	0.115	0.135	0.067	0.021	0.004	0.007	0.004	0.090	1983
1984	0	0	0.018	0.209	0.193	0.182	0.039	0.003	0.005	0.014	0.050	0.079	0.082	1984
1985	0.034	0.010	0.078	0.303	0.136	0.008	0.001	0	0.001	0.001	0.041	0.078	0.066	1985
1986	0.103	0.138	0.046	0.060	0.302	0.334	0.213	0.389	0.310	0.075	0.091	0.087	0.216	1986
1987	0.097	0.148	0.191	0.421	0.277	0.127	0.077	0.097	0.155	0.095	---	---	0.180	1987
1988	---	---	0.018	0.326	0.227	0.127	0.095	0.096	0.064	0.030	---	---	0.122	1988
1989	---	---	0.012	0.253	0.324	0.208	0.120	0.033	0.016	0.012	---	---	0.122	1989
1990	---	---	0.026	0.594	0.260	0.066	0.018	0.062	0.044	0.013	---	---	0.134	1990
MEAN	0.040	0.049	0.044	0.272	0.221	0.130	0.082	0.085	0.066	0.025	0.041	0.054	0.115	MEAN

LOCATION - LAT 54 13 45 N DRAINAGE AREA, 161 km²
LONG 110 19 45 W NATURAL FLOW

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.302B ON APR 01	0 ON AUG 16 *	1 370	1981
1982	0.580B AT 15:41 MST ON APR 21	0.417B ON APR 20	0 B ON MAR 01	1 580	1982
1983	0.325E AT 10:40 MST ON MAY 19	0.312 ON MAY 19	0 B ON MAR 01	1 900	1983
1984	---	0.294B ON APR 02	0 B ON MAR 01	1 740	1984
1985	---	0.406B ON APR 02	0 ON JUL 29	1 390	1985
1986	0.600 AT 21:20 MST ON AUG 14	0.595 ON AUG 14	0.009B ON APR 02	4 570	1986
1987	1.58 B AT 15:43 MST ON APR 04 *	0.806B ON APR 04 *	0.055 ON OCT 31	3 800	1987
1988	0.793B AT 16:16 MST ON APR 02	0.505B ON APR 03	0.012B ON MAR 01	2 590	1988
1989	0.846 AT 13:16 MST ON JUN 07	0.425 ON APR 23	0.005B ON MAR 04	2 580	1989
1990	0.806B AT 18:25 MST ON MAR 31	0.696B ON APR 08	0.001B ON MAR 01	2 840	1990
				2 440	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.690	0.064	0.002	0	0	0	0	---	---	---	1967
1968	---	---	0.020	0.002	0	0	0.012	0.015	0.002	0.004	---	---	0.007	1968
1969	---	---	0	1.00	0.006	0	0.003	0	0.001	0.001	---	---	0.124	1969
1976	---	---	---	---	---	---	0	0.014	0	0	---	---	---	1976
1977	---	---	0.014	0.021	0.034	0.005	0	0	0.001	0.002	---	---	0.010	1977
1978	---	---	0.108	0.076	0.016	0.007	0	0	0.002	0	---	---	0.051	1978
1979	---	---	0.128	0.059	0.012	0	0	0	0	0	---	---	0.025	1979
1980	---	---	0	0.357	0.019	0.139	0.071	0.011	0.001	0	---	---	0.074	1980
1981	---	---	0.041	0.010	0.123	0	0	0.001	0	0	---	---	0.022	1981
1982	---	---	0.090	0.137	0.008	0.002	0.013	0.009	0.001	0.001	---	---	0.032	1982
1983	---	---	0.029	0.020	0.002	0	0.006	0	0	0	---	---	0.007	1983
1984	---	---	0.018	0.001	0.001	0.011	0	0	0	0.003	---	---	0.004	1984
1985	---	---	0.112	0.016	0.001	0	0	0	0	0	---	---	0.016	1985
1986	---	---	0.032	0.001	0.044	0	0.023	0	0.021	0.008	---	---	0.016	1986
1987	---	---	0.011	0.166	0.004	0	0	0	0	---	---	---	0.022	1987
1988	---	---	0.002	0.021	0	0.002	0.001	0.005	0.001	0	---	---	0.004	1988
1989	---	---	0.095	0.123	0.007	0.001	0.005	0.001	0.002	0	---	---	0.029	1989
1990	---	---	0.083	0.019	0.051	0.190	0.006	0.005	0	0	---	---	0.044	1990
MEAN	---	---	0.061	0.160	0.023	0.021	0.008	0.003	0.002	0.001	---	---	0.030	MEAN

LOCATION - LAT 51 43 01 N DRAINAGE AREA, 57.2 km²
LONG 113 21 47 W NATURAL FLOW

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.84 B ON APR 15	0 ON JUN 03 *	---	1967
1968	---	0.176 ON AUG 07	0 ON APR 30	148	1968
1969	---	8.67 B ON APR 04 *	0B ON MAR 01	2 620	1969
1976	---	---	0 ON JUL 05	---	1976
1977	0.889 AT 09:25 MST ON MAY 23	0.343 ON MAY 23	0B ON MAR 01	203	1977
1978	5.07 AT 21:00 MST ON MAR 29 *	3.62 ON MAR 29	0B ON MAR 01	1 090	1978
1979	---	1.27 B ON MAR 07	0B ON MAR 01	529	1979
1980	4.47 AT 02:00 MST ON JUN 03	2.08 B ON APR 05	0B ON MAR 01	1 560	1980
1981	4.07 AT 23:15 MST ON MAY 06	2.09 ON MAY 07	0B ON MAR 01	466	1981
1982	---	1.03 B ON MAR 28	0B ON MAR 01	686	1982
1983	---	0.104B ON MAR 15	0B ON MAR 01	147	1983
1984	---	0.186B ON MAR 22	0B ON MAR 01	89.9	1984
1985	---	0.550B ON MAR 18	0B ON MAR 01	345	1985
1986	---	0.374 ON MAY 17	0 ON APR 14	344	1986
1987	---	1.39 B ON APR 01	0B ON MAR 01	470	1987
1988	---	0.220B ON APR 02	0B ON MAR 01	79.7	1988
1989	1.71 AT 19:49 MST ON MAR 30	1.33 B ON MAR 31	0B ON MAR 01	616	1989
1990	1.96 AT 04:48 MST ON JUN 17	1.01 ON JUN 13	0B ON MAR 01	929	1990
				645	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.088	0.021	0	0	0	0	0.090	0.054	---	---	0.032	1968
1969	---	---	0	3.09	1.31	0.357	0	0	0	0	---	---	0.588	1969
1970	---	---	0	0.537	0.536	0.254	0.252	0.125	0.009	0	---	---	0.214	1970
1971	---	---	0	1.63	1.74	0.512	0.231	0.073	0.003	0	---	---	0.522	1971
1972	---	---	0.011	0.049	0.009	0.006	0.007	0.013	0	0	---	---	0.012	1972
1973	---	---	0.017	0.081	0.010	0.167	0.450	0.327	0.290	0.057	---	---	0.175	1973
1974	---	---	0	2.90	6.15	1.49	0.685	0.167	0.013	0	---	---	1.42	1974
1975	---	---	0	0.221	2.33	0.861	0.314	0.043	0.002	0	---	---	0.473	1975
1976	---	---	0.018	0.328	0.084	0.082	0.141	0.031	0	0	---	---	0.085	1976
1977	---	---	0	0	0.126	0.006	0	0	0	0	---	---	0.017	1977
1978	---	---	0.008	0.051	0.048	0.006	0	0	0	0	---	---	0.014	1978
1979	---	---	0.052	0.058	0.017	0.003	0.001	0	0	0	---	---	0.017	1979
1980	---	---	0	0.032	0.003	0.003	0.001	0.006	0	0	---	---	0.006	1980
1981	---	---	0.024	0.046	0.003	0.001	0	0.001	0	0	---	---	0.009	1981
1982	---	---	0	0.008	0.004	0	0	0	0	0	---	---	0.002	1982
1983	---	---	0.010	0.082	0.003	0.005	0.048	0.007	0.002	0.001	---	---	0.020	1983
1984	---	---	0.047	0.069	0.006	0.027	0.002	0	0	0.002	---	---	0.019	1984
1985	---	---	0.052	3.14	1.18	0.343	0.095	0.058	0.043	0.020	---	---	0.610	1985
1986	---	---	0.120	0.188	0.054	0.011	0.015	0.039	0.016	0.024	---	---	0.058	1986
1987	---	---	0.030	1.46	0.596	0.196	0.158	0.193	0.105	0.015	---	---	0.343	1987
1988	---	---	0.071	0.087	0.002	0.003	0	0	0	0	---	---	0.020	1988
1989	---	---	0	0.006	0.005	0.009	0	0.009	0.002	0.002	---	---	0.004	1989
1990	---	---	0.041	0.489	0.140	0.054	0.015	0.001	0.002	0	---	---	0.092	1990
MEAN	---	---	0.026	0.634	0.624	0.191	0.105	0.048	0.025	0.008	---	---	0.207	MEAN

LOCATION - LAT 52 29 17 N
LONG 110 44 15 W
DRAINAGE AREA, 1 830 km²
NATURAL FLOW

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.416 ON SEP 25	0 ON MAR 01 *	668	1968
1969	7.87 AT 07:41 MST ON APR 18	7.84 ON APR 18	0 B ON MAR 01	12 400	1969
1970	1.25 AT 16:23 MST ON APR 25	1.21 ON APR 25	0 B ON MAR 01	4 520	1970
1971	4.93 AT 22:00 MST ON APR 27	4.87 ON APR 26	0 B ON MAR 01	11 000	1971
1972	---	0.079E ON APR 13	0 B ON MAR 01	252	1972
1973	0.728 AT 21:30 MST ON JUL 06	0.722 ON JUL 07	0 B ON MAR 01	3 700	1973
1974	21.9 AT 23:00 MST ON APR 30 *	20.9 ON APR 30 *	0 B ON MAR 01	30 200	1974
1975	3.20 AT 06:30 MST ON MAY 20	3.09 ON MAY 20	0 B ON MAR 01	10 000	1975
1976	0.668 AT 13:30 MST ON APR 26	0.631 ON APR 26	0 B ON MAR 01	1 800	1976
1977	0.433 AT 17:00 MST ON MAY 16	0.362 ON MAY 16	0 B ON MAR 01	353	1977
1978	---	0.088A ON MAY 17	0 B ON MAR 01	298	1978
1979	---	0.186A ON MAR 20	0 E ON MAR 01	350	1979
1980	0.086 AT 14:25 MST ON APR 13	0.083B ON APR 13	0 B ON MAR 01	120	1980
1981	---	0.075B ON MAR 18	0 B ON MAR 09	196	1981
1982	---	0.028B ON APR 19	0 B ON MAR 01	34.0	1982
1983	0.282 AT 16:20 MST ON APR 01	0.268 ON APR 01	0 B ON MAR 01	417	1983
1984	---	0.199B ON MAR 27	0 B ON MAR 01	392	1984
1985	5.63 AT 14:17 MST ON APR 15	5.51 ON APR 14	0 B ON MAR 01	12 900	1985
1986	0.353 AT 23:41 MST ON MAR 29	0.334 ON MAR 29	0.001 ON JUN 15	1 230	1986
1987	2.26 AT 16:09 MST ON APR 13	2.16 ON APR 13	0 B ON MAR 01	7 250	1987
1988	0.164 AT 14:09 MST ON APR 07	0.158 ON APR 06	0 B ON MAR 01	429	1988
1989	0.114 AT 19:19 MST ON JUN 15	0.057 ON JUN 16	0 B ON MAR 01	83.8	1989
1990	0.734 AT 03:11 MST ON APR 19	0.722 ON APR 19	0 B ON MAR 01	1 940	1990
				4 370	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	0.172	0.224	---	---	---	1924
1925	---	---	---	1.20	0.816	0.415	0.081	0.043	0.074	0.136	---	---	---	1925
1926	---	---	---	1.17	0.749	0.407	0.027	0.097	0.254	0.258	---	---	---	1926
1927	---	---	0	1.20	3.54	2.56	1.94	1.29	0.975	1.19	---	---	1.59	1927
1928	---	---	0.042	2.60	4.09	1.59	0.707	0.263	0.174	0.180	---	---	1.20	1928
1929	---	---	0.016	0.559	0.648	0.321	0.175	0.020	0.006	0.012	---	---	0.219	1929
1930	---	---	---	0.699	0.382	0.171	0.130	0.190	0.274	0.386	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.70	1.86	0.587	---	---	---	---	---	---	---	1936
1962	---	---	0	0.379	0.356	0.107	0.118	0.085	0.039	0.005	---	---	0.136	1962
1963	---	---	0.024	1.68	1.16	0.216	0.127	0.114	0.131	0.253	---	---	0.460	1963
1964	---	---	0	0.549	0.742	0.240	0.002	0.014	0.085	0.046	---	---	0.209	1964
1965	---	---	0	0.894	2.71	2.15	2.00	0.471	0.148	0.072	---	---	1.06	1965
1966	---	---	0.014	1.47	0.929	0.364	0.059	0.064	0.001	0.135	---	---	0.376	1966
1967	---	---	0.028	0.061	1.42	0.891	0.177	0.023	0	0	---	---	0.325	1967
1968	---	---	0.323	1.29	0.611	0.137	0.030	0.103	0.272	0.765	---	---	0.440	1968
1969	---	---	0.403	3.54	3.78	0.838	0.295	0.053	0.094	0.135	---	---	1.14	1969
1970	---	---	0.003	0.296	2.10	0.713	1.35	0.441	0.123	0.084	---	---	0.641	1970
1971	---	---	0.086	0.945	2.32	1.83	1.43	0.362	0.052	0.088	---	---	0.889	1971
1972	---	---	0.115	0.175	0.063	0.431	0.784	0.603	0.319	0.277	---	---	0.346	1972
1973	---	---	0.004	0.174	0.550	1.36	1.74	0.974	0.443	0.168	---	---	0.678	1973
1974	---	---	0.067	0.907	7.19	4.71	1.48	0.336	0.153	0.178	---	---	1.88	1974
1975	---	---	0.067	0.504	0.893	2.34	2.96	0.496	0.068	0.261	---	---	0.949	1975
1976	---	---	0.003	0.355	0.286	0.923	0.919	0.242	0.057	0.048	---	---	0.353	1976
1977	---	---	0	0.130	0.146	0.818	0.333	0.027	0.078	0.120	---	---	0.205	1977
1978	---	---	0.007	0.090	0.110	0.721	0.790	0.130	0.067	0.061	---	---	0.246	1978
1979	---	---	0.010	0.088	0.056	0.560	1.09	0.459	0.079	0.020	---	---	0.296	1979
1980	---	---	0	0.115	0.028	0.536	0.431	0.204	0.083	0.056	---	---	0.181	1980
1981	---	---	0.022	0.055	0.597	1.07	0.222	0.058	0.002	0	---	---	0.252	1981
1982	---	---	0	0.100	0.050	0.528	0.318	0.105	0.011	0.025	---	---	0.141	1982
1983	---	---	0	0.037	0.021	0.462	3.47	1.69	0.036	0.024	---	---	0.723	1983
1984	---	---	0.008	0.129	0.070	1.60	0.736	0.041	0.048	0.039	---	---	0.330	1984
1985	---	---	0.050	1.43	3.75	1.49	0.477	0.175	0.156	0.195	---	---	0.965	1985
1986	---	---	0.110	0.010	0.205	0.336	0.782	0.324	0.077	0.112	---	---	0.256	1986
1987	---	---	0.003	0.655	1.19	0.795	0.685	0.541	0.429	0.163	---	---	0.557	1987
1988	---	---	0.098	0.067	0.149	0.197	0.372	0.100	0.001	0.011	---	---	0.125	1988
1989	---	---	0	0.009	0.340	1.47	0.191	0.004	0	0	---	---	0.249	1989
1990	---	---	0.001	0.002	0.623	0.491	0.287	0.304	0.087	0.008	---	---	0.226	1990
MEAN	---	---	0.046	0.702	1.24	0.955	0.763	0.298	0.137	0.155	---	---	0.551	MEAN

LOCATION - LAT 52 45 18 N
LONG 110 29 00 W

DRAINAGE AREA, 2 810 km²
REGULATED

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	1.59 ON APR 11	---	---	1925
1926	---	1.90 B ON APR 13	0 B ON MAR 01 *	---	1926
1927	---	4.02 ON MAY 10	0 B ON MAR 01	33 600	1927
1928	---	5.64 ON APR 28	0 B ON MAR 01	25 500	1928
1929	---	0.929 ON APR 19	0 B ON MAR 01	4 630	1929
1930	---	---	---	---	1930
1935	---	---	0 ON SEP 01	---	1935
1936	---	4.62 E ON APR 15	0 B ON MAR 01	---	1936
1962	---	0.753 ON APR 30	0 ON MAR 01	2 870	1962
1963	---	2.70 ON APR 20	0 B ON MAR 01	9 740	1963
1964	---	0.875 ON MAY 06	0 B ON MAR 01	4 420	1964
1965	---	3.11 ON MAY 18	0 B ON MAR 01	22 300	1965
1966	---	2.04 ON APR 14	0 B ON MAR 01	7 970	1966
1967	---	1.78 ON MAY 08	0 ON AUG 03	6 880	1967
1968	---	1.59 B ON APR 02	0 ON JUL 05	9 310	1968
1969	---	6.99 ON APR 13	0.001 ON AUG 30	24 100	1969
1970	---	9.20 ON MAY 17	0 B ON MAR 01	13 600	1970
1971	---	2.66 ON MAY 28	0.027 ON AUG 31	18 800	1971
1972	---	1.30 ON JUL 05	0 B ON MAR 01	7 330	1972
1973	---	2.78 ON JUN 25	0 B ON MAR 01	14 300	1973
1974	---	24.1 ON MAY 13 *	0.065B ON MAR 21	39 700	1974
1975	---	9.37 ON JUL 04	0.020 ON SEP 09	20 100	1975
1976	---	3.06 B ON APR 07	0 B ON MAR 01	7 470	1976
1977	---	0.940 ON JUN 15	0 B ON MAR 01	4 130	1977
1978	---	2.36 ON JUN 27	0 B ON MAR 01	5 220	1978
1979	---	3.08 ON JUL 18	0 B ON MAR 01	6 260	1979
1980	---	0.915 ON JUN 13	0 B ON MAR 01	3 830	1980
1981	---	1.96 ON JUN 01	0 B ON MAR 01	5 330	1981
1982	---	1.05 ON JUN 22	0 B ON MAR 01	2 990	1982
1983	---	19.2 ON JUL 28	0 B ON MAR 01	15 300	1983
1984	---	3.92 ON JUN 14	0 B ON MAR 01	6 990	1984
1985	---	6.37 ON MAY 24	0 B ON MAR 01	20 400	1985
1986	---	1.53 ON JUL 04	0 B ON APR 09	5 420	1986
1987	---	4.55 ON MAY 22	0 B ON MAR 01	11 800	1987
1988	---	0.606 ON JUL 08	0 ON AUG 16	2 640	1988
1989	2.55 AT 16:16 MST ON JUN 19	2.39 ON JUN 19	0 B ON MAR 01	5 270	1989
1990	2.59 AT 00:39 MST ON MAY 25 *	2.39 ON MAY 25	0 B ON MAR 01	4 780	1990
				11 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	1.13	0.786	0.154	0	0	0.340	---	---	---	1925
1926	---	---	0.062	1.35	1.18	0.750	0.171	0	0.063	---	---	---	---	1926
1927	---	---	0	1.52	4.88	3.20	2.60	1.20	1.06	1.65	---	---	2.02	1927
1928	---	---	0.103	2.58	3.96	2.51	0.954	0.260	0.071	0.195	---	---	1.32	1928
1929	---	---	0.019	0.896	0.819	0.391	0.083	0	0	0	---	---	0.274	1929
1930	---	---	---	0.737	0.609	0.615	0.704	0.148	0.382	0.660	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.06	1.76	0.908	---	---	---	---	---	---	---	1936
MEAN	---	---	0.037	1.36	2.05	1.31	0.778	0.268	0.225	0.474	---	---	1.20	MEAN

LOCATION - LAT 52 43 20 N LONG 110 16 00 W
DRAINAGE AREA, 3 610 km^2
NATURAL FLOW

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	---	---	---	1925
1926	---	2.83E ON APR 16	0 ON JUL 22 *	---	1926
1927	---	7.76 ON MAY 13 *	0B ON MAR 01	---	1927
1928	---	4.90 ON MAY 03	0 ON MAR 01	42 700	1928
1929	---	1.53B ON APR 22	0B ON MAR 01	28 000	1929
1930	---	2.15 ON JUL 01	0B ON MAR 01	5 800	1930
1935	---	---	---	---	1935
1936	---	2.41 ON APR 30	0 ON SEP 01	---	1936
			0B ON MAR 01	---	
				25 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	0	---	---	---	1978
1979	---	---	0.131	0.040	0	0	0	0	0	0	---	---	0.021	1979
1980	---	---	0	0.055	0	0	0	0.010	0	0	---	---	0.008	1980
1981	---	---	0.069	0.030	0.020	0	0	0	0	0	---	---	0.015	1981
1982	---	---	0	0.074	0.005	0.001	0.013	0.001	0	0	---	---	0.012	1982
1983	---	---	0.023	0.009	0.001	0.019	0.024	0	0	0	---	---	0.010	1983
1984	---	---	0.116	0.021	0	0	0	0	0.033	0.004	---	---	0.022	1984
1985	---	---	0.006	0.358	0.011	0.002	0	0	0	0	---	---	0.046	1985
1986	---	---	0.061	0.001	0.003	0	0.009	0.005	0	0.020	---	---	0.012	1986
1987	---	---	0	0.087	0.001	0	0.063	0	0	0	---	---	0.019	1987
1988	---	---	0.023	0.008	0	0	0	0.004	0	0	---	---	0.004	1988
1989	---	---	0.038	0.086	0	0.001	0.001	0	0	0	---	---	0.016	1989
1990	---	---	0.114	0.080	0.001	0.005	0	0	0	0	---	---	0.025	1990
MEAN	---	---	0.048	0.071	0.004	0.002	0.009	0.002	0.003	0.002	---	---	0.018	MEAN

LOCATION - LAT 52 10 47 N DRAINAGE AREA, 331 km²
LONG 111 14 15 W NATURAL FLOW

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	0.462B ON MAR 13	0B ON MAR 01 *	453	1979
1980	---	0.234 ON APR 05	0B ON MAR 01	169	1980
1981	---	0.294B ON MAR 16	0B ON MAR 01	317	1981
1982	---	0.680B ON APR 14	0B ON MAR 01	244	1982
1983	0.769 AT 15:23 MST ON JUN 19	0.369 ON JUN 19	0B ON MAR 01	204	1983
1984	---	0.690B ON MAR 26	0B ON MAR 01	461	1984
1985	---	1.77 B ON APR 03 *	0B ON MAR 01	979	1985
1986	---	0.212B ON MAR 02	0 ON APR 05	261	1986
1987	2.30 AT 21:11 MST ON JUL 04 *	0.887 ON JUL 04	0B ON MAR 01	398	1987
1988	---	0.084 ON AUG 22	0 ON APR 09	94.3	1988
1989	1.77 B AT 08:16 MST ON APR 01	1.30 B ON APR 01	0B ON MAR 01	331	1989
1990	---	1.40 B ON MAR 30	0B ON MAR 01	529	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		370	MEAN

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	19.7	17.9	14.3	16.6	16.7	17.3	14.9	---	1970
1971	11.1	11.4	11.8	12.4	20.0	15.3	14.9	13.2	13.8	14.3	15.3	11.3	14.5	1971
1972	10.6	10.2	11.5	11.6	28.2	19.8	19.9	15.5	14.9	16.2	17.1	11.6	17.2	1972
1973	12.0	11.4	11.7	19.5	18.7	14.9	18.1	21.8	17.4	17.6	14.1	14.0	17.5	1973
1974	13.6	12.8	13.0	30.3	25.3	24.2	20.4	16.8	15.0	14.5	13.6	13.1	19.9	1974
1975	12.2	10.9	11.3	16.7	20.3	19.2	20.9	19.0	21.4	22.5	17.8	11.3	18.9	1975
1976	11.3	10.5	10.7	25.7	20.2	18.2	15.2	15.5	15.0	16.5	11.1	11.9	17.1	1976
1977	11.9	12.6	13.2	18.2	18.4	17.1	17.2	15.9	16.9	16.4	12.9	11.7	16.6	1977
1978	12.6	10.7	10.4	17.7	23.3	18.2	15.8	17.8	23.7	22.8	16.3	14.3	18.7	1978
1979	13.2	12.7	12.2	15.0	28.9	21.3	17.7	16.4	15.9	16.0	13.3	9.72	17.9	1979
1980	11.6	11.4	12.2	19.4	15.3	13.0	13.7	15.1	16.3	15.9	14.7	11.8	15.1	1980
1981	11.5	11.5	13.8	16.6	22.2	16.3	14.5	11.3	10.6	11.7	10.8	9.21	14.6	1981
1982	8.94	9.03	9.58	13.7	27.7	15.9	12.9	14.1	15.4	14.3	12.5	11.2	15.4	1982
1983	10.9	11.2	11.7	16.7	17.7	16.0	13.0	13.3	13.7	13.9	12.3	10.4	14.5	1983
1984	10.9	11.1	11.6	18.8	14.7	15.1	13.2	13.8	14.5	16.2	13.4	12.7	14.7	1984
1985	12.2	11.8	12.1	17.6	27.5	15.6	13.1	13.1	15.2	15.6	13.4	12.9	16.2	1985
1986	12.9	12.9	14.0	22.1	24.8	20.1	21.8	17.9	16.8	15.9	15.1	13.6	19.3	1986
1987	12.5	13.4	14.5	23.2	21.4	17.8	14.5	14.2	16.3	15.7	---	---	17.1	1987
1988	---	---	13.6	15.9	24.8	19.6	21.8	15.4	17.9	14.5	---	---	17.9	1988
1989	---	---	10.4	13.2	28.7	22.4	23.6	18.5	19.5	18.5	---	---	19.4	1989
1990	---	---	16.3	21.1	25.6	17.9	14.6	12.9	13.7	13.9	---	---	17.0	1990
MEAN	11.8	11.5	12.3	18.3	22.7	18.0	16.9	15.5	16.2	16.3	14.4	12.1	17.0	MEAN

LOCATION - LAT 58 21 48 N DRAINAGE AREA, 2 700 km²
LONG 111 14 14 W NATURAL FLOW

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	28.3B ON MAY 02	9.29 ON OCT 30	306 000	1971
1972	---	38.2 ON MAY 06	9.49B ON MAR 09	370 000	1972
1973	30.0 AT 15:00 MST ON AUG 13	29.4 ON AUG 13	11.4 B ON MAR 01	370 000	1973
1974	43.6B AT 11:20 MST ON APR 21 *	41.6B ON APR 21 *	12.4 B ON MAR 12	421 000	1974
1975	27.2 AT 19:00 MST ON APR 28	26.7 ON APR 28	10.6 B ON APR 06	401 000	1975
1976	36.0B AT 12:40 MST ON APR 17	33.4 ON APR 18	10.1 B ON MAR 05	362 000	1976
1977	28.1 AT 00:01 MST ON APR 24	27.0 ON APR 24	11.7 B ON MAR 27	353 000	1977
1978	31.4B AT 12:30 MST ON APR 29	31.4B ON APR 29	9.34B ON MAR 03	396 000	1978
1979	35.0 AT 14:15 MST ON MAY 17	34.9 ON MAY 17	12.0 B ON MAR 06	380 000	1979
1980	25.8B AT 19:50 MST ON APR 22	25.6B ON APR 22	11.5 B ON MAR 13	319 000	1980
1981	---	37.0B ON MAY 02	10.4 ON SEP 04	310 000	1981
1982	36.4 AT 20:27 MST ON MAY 07	36.2 ON MAY 07	9.12B ON MAR 01 *	327 000	1982
1983	29.8B AT 23:37 MST ON APR 22	21.3B ON APR 25	11.6 B ON MAR 01	306 000	1983
1984	23.7B AT 01:43 MST ON APR 11	23.3B ON APR 10	11.1 ON AUG 05	311 000	1984
1985	35.7 AT 23:42 MST ON MAY 05	35.5 ON MAY 05	11.5 B ON MAR 05	344 000	1985
1986	31.1 AT 13:53 MST ON MAY 01	30.7 ON APR 30	12.9 B ON MAR 01	408 000	1986
1987	31.0 AT 06:19 MST ON APR 22	29.9B ON APR 22	---	361 000	1987
1988	30.8 AT 23:09 MST ON APR 30	30.6 ON APR 30	12.8 B ON APR 03	379 000	1988
1989	32.5 AT 15:28 MST ON MAY 28	32.2 ON MAY 28	9.71B ON MAR 24	410 000	1989
1990	36.0 AT 14:35 MST ON APR 29	35.7 ON APR 30	12.6 ON AUG 15	360 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		360 000	MEAN

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.122	0.190	0.181	0.063	0.052	---	---	---	1982
1983	---	---	0.006	0.181	0.195	0.246	0.096	0.115	0.066	0.081	---	---	0.123	1983
1984	---	---	0.004	0.187	0.212	0.740	0.387	0.058	0.081	0.182	---	---	0.230	1984
1985	---	---	0.044	0.309	1.77	0.295	0.042	0.018	0.075	0.089	---	---	0.332	1985
1986	---	---	0.022	0.269	0.566	0.202	0.470	0.190	0.018	0.048	---	---	0.224	1986
1987	---	---	0	0.367	0.373	0.235	0.032	0.083	0.043	0.061	---	---	0.149	1987
1988	---	---	0.015	0.196	0.177	0.280	1.11	0.236	0.089	0.046	---	---	0.270	1988
1989	---	---	0.002	0.101	1.19	0.536	0.693	0.088	0.110	0.172	---	---	0.363	1989
1990	---	---	0.012	0.400	1.32	0.678	0.238	0.062	0.037	0.080	---	---	0.353	1990
MEAN	---	---	0.013	0.251	0.725	0.370	0.362	0.115	0.065	0.090	---	---	0.256	MEAN

LOCATION - LAT 56 23 01 N DRAINAGE AREA, 54.1 km^2
LONG 111 01 42 W NATURAL FLOW

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	0.673E ON AUG 03	0.006B ON MAR 01	2 600	1983
1984	---	2.00 E ON JUN 02	0 B ON MAR 01 *	4 870	1984
1985	3.10 E AT 19:57 MST ON MAY 05	3.05 E ON MAY 05	0.003 ON AUG 10	7 020	1985
1986	1.62 AT 22:19 MST ON JUL 18	1.44 ON JUL 19	0 B ON MAR 08	4 740	1986
1987	0.588B AT 08:07 MST ON APR 17	0.561 ON APR 28	0 B ON MAR 01	3 140	1987
1988	2.26 AT 14:01 MST ON JUL 14	2.11 ON JUL 14	0.008B ON MAR 03	5 720	1988
1989	4.27 AT 16:28 MST ON MAY 20 *	3.84 A ON MAY 20 *	0.001B ON MAR 01	7 670	1989
1990	3.98 AT 05:45 MST ON APR 25	3.29 B ON APR 25	0 B ON MAR 01	7 470	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 400	MEAN

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0	0.001	0.005	0.004	---	1967
1968	0.005	0.008	0.005	0.024	0.089	0.089	0.016	0.003	0.002	0.002	---	0.005	0.032	1968
1969	0.002	---	0	0.131	0.059	0.011	0.003	0.002	0.004	0.003	---	0.005	0.030	1969
1970	---	---	0.002	0.154	0.09[illegible]	0.014	0.003	0.001	0.001	0	---	---	0.038	1970
1971	---	---	0.001	0.028	0.0[illegible]	0.223	0.147	0.006	0.002	0.004	---	---	0.061	1971
1972	---	---	0.009	0.258	0.106	0.060	0.020	0.007	0.005	0.008	---	---	0.066	1972
1973	---	---	0.003	0.154	0.117	0.134	0.021	0.005	0.013	0.023	---	---	0.066	1973
1974	---	---	0.003	0.412	0.240	0.009	0.001	0	0.001	0.001	---	---	0.094	1974
1975	---	---	---	0.032	0.054	0.021	0.011	0.003	0.005	0.007	---	---	0.019	1975
1976	---	---	---	---	0.044	---	---	---	---	---	0.010	---	---	1976
1977	---	---	0.002	0.287	0.217	0.051	0.178	0.015	---	---	---	---	---	1977
1978	---	---	---	---	0.117	0.098	0.008	0	0.024	0.015	---	---	---	1978
1979	---	---	---	---	0.379	0.340	0.044	0.002	0.001	0.001	---	---	---	1979
1980	---	---	---	0.049	0.019	0.072	0.023	0.002	0.012	0.007	---	---	0.026	1980
1981	---	---	---	0.144	---	0.006	0.007	0.001	0.003	0.002	---	---	---	1981
1982	---	---	---	0.005	0.099	0.002	0.023	0.077	0.003	0.002	---	---	0.031	1982
1983	---	---	---	0.014	0.015	0.205	---	0.005	0.002	0.007	---	---	---	1983
1984	---	---	---	0.056	0.284	0.082	0.010	0.010	0.028	0.031	---	---	0.072	1984
1985	---	---	---	0.266	0.046	0.003	0.001	0.010	0.025	0.054	---	---	0.057	1985
1986	---	---	---	0.208	0.189	0.014	0.016	0.004	0.005	0.012	---	---	0.064	1986
1987	---	---	---	---	0.008	0.012	0.004	0.281	0.013	0.004	---	---	---	1987
MEAN	0.004	0.008	0.003	0.139	0.115	0.076	0.030	0.023	0.008	0.010	0.008	0.005	0.050	MEAN

LOCATION - LAT 54 56 05 N LONG 117 46 35 W DRAINAGE AREA, 18.6 km² NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	0 ON AUG 19 *	---	1967
1968	0.985 AT 01:10 MST ON JUL 14	0.354 ON JUN 14	0.001 ON AUG 29	595	1968
1969	---	0.411B ON APR 29	0 ON APR 01	558	1969
1970	0.464 AT 02:00 MST ON APR 22	0.450 ON APR 21	0 ON AUG 11	696	1970
1971	1.51 AT 01:00 MST ON JUN 27	1.09 ON JUN 27	0.001B ON APR 01	1 130	1971
1972	---	0.906B ON APR 28	0.003 ON AUG 30	1 220	1972
1973	0.906 AT 06:00 MST ON JUN 11	0.796 ON JUN 11	0.001 ON AUG 09	1 430	1973
1974	1.46 AT 23:00 MST ON APR 23	1.27 ON APR 24	0 ON JUL 27	1 740	1974
1975	---	0.314 ON APR 28	0 A ON APR 02	349	1975
1976	---	1.48 ON JUN 08	---	---	1976
1977	---	1.59 ON APR 09	0.001 ON JUL 02	---	1977
1978	---	1.41 ON APR 26	0 ON JUL 25	---	1978
1979	1.95 AT 13:40 MST ON JUN 14	1.75 ON APR 29	0.001 ON AUG 15	---	1979
1980	0.278 AT 10:12 MST ON JUN 06	0.271 ON JUN 06	0 B ON APR 01	483	1980
1981	3.40 AT 13:50 MDT ON MAY 06	---	0 ON SEP 18	---	1981
1982	1.59 AT 02:33 MST ON AUG 03	0.720 ON AUG 04	0 ON JUN 24	565	1982
1983	---	---	---	---	1983
1984	2.32 A AT 02:30 MST ON MAY 17	1.50 E ON MAY 17	0 E ON AUG 29	1 330	1984
1985	1.13 AT 23:17 MST ON APR 13	0.994 ON APR 13	0.001 ON JUL 07	1 060	1985
1986	0.798 AT 03:38 MST ON MAY 06	0.592 ON MAY 06	0.003 ON JUL 09	1 180	1986
1987	4.32 A ON AUG 01 *	3.09 A ON AUG 02 *	0.002 ON JUN 18	---	1987
				934	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCKY RIVER AT HAWES - STATION NO. 07AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	46.3	16.1	8.04	4.68	2.71	---	1913
1914	2.72	1.86	2.12	5.60	14.3	52.8	60.4	15.4	13.3	11.1	4.51	2.86	15.7	1914
1915	1.58	0.726	2.83	2.87	11.7	37.1	58.3	25.1	14.9	9.41	5.95	1.67	14.4	1915
1916	0.345	0.949	2.09	3.48	9.60	48.1	47.0	34.0	22.2	14.7	5.76	1.67	15.9	1916
1917	1.87	0.819	1.35	1.65	17.7	40.1	39.1	18.1	14.8	11.3	6.49	4.14	13.2	1917
1918	3.14	4.13	4.22	4.17	12.8	64.1	49.0	22.0	12.9	7.08	---	---	---	1918
1919	---	---	---	---	16.6	---	---	---	---	---	---	---	---	1919
MEAN	1.93	1.70	2.52	3.55	13.8	48.4	50.8	26.8	15.7	10.3	5.48	2.61	14.8	MEAN

LOCATION - LAT 53 08 25 N LONG 117 58 46 W DRAINAGE AREA, 1 140 km² NATURAL FLOW

ROCKY RIVER AT HAWES - STATION NO. 07AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	150 ON JUL 09	1.50 B ON FEB 05	494 000	1914
1915	---	168 E ON JUN 27 *	0.181B ON FEB 09 *	455 000	1915
1916	---	102 ON JUN 19	0.170B ON JAN 26 *	502 000	1916
1917	---	66.5 ON JUL 03	0.680B ON JAN 31	416 000	1917
1918	---	106 ON JUN 24	2.27 B ON JAN 30	---	1918
1919	---	---	---	---	1919
				467 000	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO. 1 SPILL - STATION NO. 05BN015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0.199	0.086	0.491	0.334	0.362	0.114	---	---	0.265	1968
1969	---	---	---	---	0.302	0.332	0.358	0.249	0.156	0.152	---	---	0.258	1969
1970	---	---	---	---	0.112	0.206	0.132	0.228	0.251	0.170	---	---	0.183	1970
1971	---	---	---	---	0.207	0.157	0.175	0.314	0.484	0.159	---	---	0.249	1971
1972	---	---	---	---	0.386	0.640	0.634	0.424	0.409	0.210	---	---	0.450	1972
1973	---	---	---	---	0.452	0.327	0.249	0.446	0.167	0.044	---	---	0.281	1973
1974	---	---	---	---	0.024	0.252	0.391	0.545	0.348	0.081	---	---	0.273	1974
1975	---	---	---	---	0.039	0.221	0.535	0.513	0.329	0.646	---	---	0.382	1975
1976	---	---	---	---	0.344	0.679	0.421	0.646	0.339	0.407	---	---	0.472	1976
1977	---	---	---	---	0.591	0.669	0.310	0.145	0.261	0.318	---	---	0.381	1977
1978	---	---	---	---	0.226	0.530	0.589	0.443	0.184	0.157	---	---	0.355	1978
1979	---	---	---	---	0.335	0.537	0.449	0.327	0.689	0.128	---	---	0.409	1979
1980	---	---	---	---	0.576	0.368	0.350	0.386	0.315	0.181	---	---	0.364	1980
1981	---	---	---	---	0.999	0.770	0.931	0.881	0.469	0.263	---	---	0.720	1981
1982	---	---	---	---	0.352	0.592	1.30	0.827	0.626	0.190	---	---	0.648	1982
1983	---	---	---	---	0.565	0.969	1.12	1.38	1.18	0.616	---	---	0.971	1983
1984	---	---	---	---	0.617	1.09	0.969	0.964	0.261	0.200	---	---	0.683	1984
1985	---	---	---	---	0.550	0.864	0.970	0.852	0.182	0.050	---	---	0.579	1985
1986	---	---	---	---	0.647	1.30	0.684	0.671	0.198	0.042	---	---	0.588	1986
MEAN	---	---	---	---	0.396	0.557	0.582	0.557	0.379	0.217	---	---	0.448	MEAN

LOCATION - LAT 50 10 00 N
LONG 111 49 00 W REGULATED

ROLLING HILLS CANAL NO. [illegible] SPILL - STATION NO. 05BN015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.15 ON SEP 16	0 ON MAY 02 *	4 210	1968
1969	---	1.18 ON SEP 19	0 E ON SEP 09	4 110	1969
1970	---	0.937 ON AUG 31	0 ON MAY 01	2 910	1970
1971	---	1.07 ON MAY 12	0 ON MAY 01	3 950	1971
1972	---	1.80 ON JUN 13	0.001 ON SEP 04	7 150	1972
1973	---	2.38 ON JUN 15	0 ON JUN 13	4 470	1973
1974	---	1.35 ON AUG 15	0 ON MAY 01	4 340	1974
1975	---	2.15 ON OCT 26	0 ON MAY 03	6 070	1975
1976	---	1.84 ON AUG 18	0 ON MAY 03	7 510	1976
1977	---	2.34 ON JUN 17	0.002 ON OCT 31	6 060	1977
1978	---	1.63 ON AUG 24	0 E ON OCT 29	5 640	1978
1979	---	1.79 ON MAY 27	0 ON OCT 28	6 500	1979
1980	---	1.58 ON JUN 21	0 ON OCT 19	5 790	1980
1981	---	2.55 A ON MAY 16	0 ON OCT 19	11 400	1981
1982	---	4.55 ON JUL 02 *	0 ON MAY 01	10 300	1982
1983	---	2.80 ON JUL 07	0 ON MAY 01	15 400	1983
1984	---	3.18 ON JUN 22	0 ON MAY 01	10 900	1984
1985	---	2.35 ON MAY 27	0 ON MAY 01	9 200	1985
1986	---	3.49 ON JUN 11	0 ON MAY 01	9 350	1986
				7 120	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BN019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.291	0.289	---	---	---	---	---	---	1966
1968	---	---	---	---	0.113	0.018	0.070	0.224	0.001	0.001	---	---	0.072	1968
1969	---	---	---	---	0.099	0.267	0.308	0.192	0.121	0.105	---	---	0.182	1969
1970	---	---	---	---	0.136	0.062	0.250	0.305	0.418	0.061	---	---	0.205	1970
1971	---	---	---	---	0.115	0.287	0.213	0.200	0	0.026	---	---	0.140	1971
1972	---	---	---	---	0.193	0.262	0.168	0.257	0.194	0.102	---	---	0.199	1972
1973	---	---	---	---	0.293	0.380	0.346	0.607	0.094	0	---	---	0.287	1973
1974	---	---	---	---	0.182	0.238	0.329	0.609	0.222	0.206	---	---	0.298	1974
1975	---	---	---	---	0.020	0.277	0.155	0.263	0.310	0.104	---	---	0.187	1975
1976	---	---	---	---	0.185	0.290	0.204	0.200	0.142	0.322	---	---	0.224	1976
1977	---	---	---	---	0.112	0.225	0.257	0.263	0.073	0.069	---	---	0.167	1977
1978	---	---	---	---	0.121	0.179	0.315	0.262	0.104	0.112	---	---	0.186	1978
1979	---	---	---	---	0.224	0.284	0.352	0.295	0.178	0.135	---	---	0.245	1979
1980	---	---	---	---	0.248	0.180	0.541	0.383	0.158	0.051	---	---	0.261	1980
1981	---	---	---	---	0.455	0.382	0.505	0.443	0.247	0.140	---	---	0.364	1981
1982	---	---	---	---	0.298	0.311	0.454	0.511	0.299	0.175	---	---	0.338	1982
1983	---	---	---	---	0.158	0.388	0.452	0.440	0.374	0.142	---	---	0.325	1983
1984	---	---	---	---	0.262	0.318	0.364	0.356	0.177	0.077	---	---	0.259	1984
1985	---	---	---	---	0.133	0.413	0.344	0.328	0.036	0.030	---	---	0.214	1985
1986	---	---	---	---	0.203	0.262	0.248	0.207	0.158	0.017	---	---	0.182	1986
MEAN	---	---	---	---	0.187	0.267	0.308	0.334	0.173	0.100	---	---	0.228	MEAN

LOCATION - LAT 50 08 59 N
LONG 111 41 04 W REGULATED

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BN019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1968	---	1.25 ON AUG 11	0 ON MAY 01 *	1 140	1968
1969	---	0.753 ON JUL 03	0 ON MAY 01	2 890	1969
1970	---	0.753 ON SEP 01	0 ON MAY 01	3 260	1970
1971	---	1.00 ON JUN 01	0 ON MAY 01	2 230	1971
1972	---	0.558 ON AUG 21	0 ON MAY 01	3 170	1972
1973	---	1.19 ON AUG 08	0 ON MAY 01	4 570	1973
1974	---	1.12 ON AUG 12	0 ON OCT 21	4 740	1974
1975	---	1.28 ON JUN 17	0 ON OCT 28	2 970	1975
1976	---	1.06 ON OCT 19	0 ON MAY 03	3 560	1976
1977	---	0.558 ON JUL 31	0 ON MAY 14	2 650	1977
1978	---	0.855 ON JUL 30	0 ON SEP 26	2 950	1978
1979	---	0.716 ON JUL 04	0 ON MAY 02	3 890	1979
1980	---	1.18 ON JUL 23	0 ON MAY 01	4 150	1980
1981	---	1.63 ON JUN 14 *	0.001 ON MAY 27	5 790	1981
1982	---	1.10 ON MAY 08	0 ON MAY 01	3 380	1982
1983	---	1.04 ON AUG 14	0 ON MAY 04	3 170	1983
1984	---	1.05 ON MAY 04	0 ON MAY 01	4 120	1984
1985	---	0.817 ON AUG 12	0 ON MAY 01	3 400	1985
1986	---	0.905 ON MAY 14	0 ON MAY 01	2 900	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 630	MEAN

ROLPH CREEK AT VAUGHN RANCH - STATION NO. 05AE017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.261	0.141	0.157	0.043	0.012	---	---	---	1920
1921	---	---	---	0.136	0.256	0.115	0.099	0.079	0.018	0.018	---	---	---	1921
1922	---	---	---	0.459	0.260	0.131	0.146	0.090	0.060	0.051	---	---	---	1922
1923	---	---	---	---	0.157	0.374	0.189	0.137	0.068	0.045	---	---	---	1923
1924	---	---	0	0.237	0.105	0.348	0.084	0.169	0.075	0.029	---	---	0.130	1924
1925	---	---	0.119	1.00	0.433	0.154	0.225	0.201	0.109	0.159	---	---	0.298	1925
1926	---	---	---	---	0.077	0.109	0.127	0.070	0.178	0.038	---	---	---	1926
1927	---	---	---	---	---	---	0.336	0.366	0.500	0.344	---	---	---	1927
1928	---	---	---	---	---	0.494	0.682	0.363	0.200	0.161	---	---	---	1928
1929	---	---	---	---	0.496	0.468	0.211	0.123	0.098	0.105	---	---	---	1929
1930	---	---	---	---	0.316	0.177	0.175	0.155	0.136	0.061	---	---	---	1930
MEAN	---	---	0.060	0.508	0.263	0.265	0.220	0.174	0.135	0.093	---	---	0.214	MEAN

LOCATION - LAT 49 00 15 N DRAINAGE AREA, 86.5 km^2
LONG 113 09 20 W NATURAL FLOW

ROLPH CREEK AT VAUGHN RANCH - STATION NO. 05AE017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	1.05 AT 13:30 MST ON APR 11	0.793 ON APR 11	0E ON JUL 22 *	---	1921
1922	---	1.16 B ON APR 29	---	---	1922
1923	---	1.45 ON JUN 22	---	---	1923
1924	1.87 AT 04:00 MST ON JUN 08	1.76 ON JUN 08	0B ON MAR 01	2 750	1924
1925	2.10 AT 10:00 MST ON APR 23 *	1.67 ON APR 13	0B ON MAR 01	6 320	1925
1926	---	0.232 ON JUL 13	---	---	1926
1927	---	2.41 ON SEP 14 *	---	---	1927
1928	---	2.18 ON JUL 01	---	---	1928
1929	---	1.41 ON JUN 03	---	---	1929
1930	---	0.830 ON APR 30	---	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 540	MEAN

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	----	----	----	----	----	0.649	0.054	0.070	0.227	0.134	----	----	----	1911
1912	----	----	----	----	0.315	0.057	0.166	0.046	0.036	0.111	----	----	----	1912
1913	----	----	----	----	0.444	0.155	0.161	0.071	0.019	----	----	----	----	1913
1914	----	----	----	0.517	0.118	0.002	0.003	0.018	0.010	0.325	----	----	----	1914
1915	----	----	----	0.274	0.333	2.32	1.13	0.891	0.675	0.461	----	----	----	1915
1916	----	----	----	0.561	0.881	1.63	0.544	0.380	0.481	0.325	----	----	----	1916
1936	----	----	0.313	0.712	0.054	0.030	0	0.021	0.001	0.017	----	----	0.142	1936
1937	----	----	0.029	0.320	0.111	0.726	0.007	0.003	0.006	0.066	----	----	0.155	1937
1938	----	----	0.376	0.690	0.525	0.072	0.097	0.091	0.041	0.023	----	----	0.239	1938
1939	----	----	0.172	0.091	0.030	0.121	0.009	0	0.001	0.010	----	----	0.054	1939
1940	----	----	0.246	0.247	0.118	0.058	0.050	0.026	0.025	0.027	----	----	0.100	1940
1941	----	----	0.102	0.042	0.036	0.106	0.043	0.040	0.055	0.030	----	----	0.057	1941
1942	----	----	0.035	0.220	0.267	0.349	0.136	0.255	0.134	0.075	----	----	0.181	1942
1943	----	----	0.932	0.823	0.567	0.527	0.093	0.056	0.065	0.052	----	----	0.388	1943
1944	----	----	0.070	0.199	0.139	0.155	0.039	0.037	0.031	0.034	----	----	0.087	1944
1945	----	----	0.075	0.025	0.115	0.380	0.075	0.049	0.098	0.052	----	----	0.108	1945
1946	----	0.036	0.292	0.121	0.090	0.072	0.070	0.029	0.085	0.136	----	----	0.112	1946
1947	----	0.145	2.32	0.654	0.251	0.197	0.079	0.091	0.153	0.095	----	----	0.478	1947
1948	----	----	0.251	2.00	1.10	1.57	0.481	0.267	0.112	0.093	----	----	0.973	1948
1949	----	----	0.275	0.428	0.548	0.271	0.111	0.091	0.129	0.175	----	----	0.253	1949
1950	----	----	0.195	0.901	0.646	0.292	0.222	0.101	0.095	0.121	----	----	0.320	1950
1951	----	----	1.23	1.17	1.33	2.63	1.39	0.544	2.17	0.666	----	----	1.26	1951
1952	----	----	1.05	2.38	0.469	0.219	0.224	0.247	0.229	0.200	----	----	0.621	1952
1953	----	----	0.541	1.88	1.04	6.68	0.267	0.170	0.240	0.151	----	----	1.34	1953
1954	----	0.323	0.267	1.84	0.790	0.327	0.045	0.134	0.217	0.162	----	----	0.469	1954
1955	----	----	0.096	2.23	2.20	0.386	0.301	0.105	0.138	0.063	----	----	0.687	1955
1956	----	----	0.801	0.460	0.370	0.199	0.532	0.171	0.136	0.179	----	----	0.349	1956
1957	----	0.040	0.624	0.513	0.196	0.187	0.045	0.063	0.067	0.073	----	----	0.144	1957
1958	----	----	0.583	1.79	0.276	0.284	0.291	0.306	0.139	0.049	----	----	0.459	1958
1959	----	----	0.689	1.21	0.540	0.139	0.059	0.107	0.123	0.123	----	----	0.372	1959
1960	----	----	1.55	0.353	0.474	0.122	0.038	0.140	0.094	0.023	----	----	0.351	1960
1961	----	----	0.115	0.121	0.448	0.052	0.015	0.014	0.075	0.068	----	----	0.114	1961
1962	----	----	0.839	0.389	0.134	0.069	0.018	0.067	0.106	0.021	----	----	0.204	1962
1963	----	----	0.065	0.044	0.007	0.192	0.081	0.053	0.075	0.043	----	----	0.062	1963
1964	----	----	0.047	0.391	1.44	1.70	0.158	0.083	0.218	0.138	----	----	0.519	1964
1965	----	----	0.841	3.00	0.345	0.858	0.346	0.149	0.260	0.112	----	----	0.731	1965
1966	----	----	0.864	0.401	0.243	1.31	0.360	0.185	0.138	0.144	----	----	0.455	1966
1967	----	----	1.59	0.678	2.43	1.39	0.245	0.160	0.149	0.220	----	----	0.847	1967
1968	----	----	0.404	0.263	0.557	0.440	0.110	0.190	0.567	0.367	----	----	0.372	1968
1969	----	----	1.50	1.80	0.225	0.958	0.665	0.088	0.090	0.068	----	----	0.671	1969
1970	----	----	0.162	0.399	0.312	0.335	0.091	0.081	0.093	0.048	----	----	0.189	1970
1971	----	----	0.287	0.790	0.478	0.341	0.111	0.057	0.081	0.060	----	----	0.275	1971
1972	----	----	2.96	0.752	0.460	0.247	0.185	0.163	0.160	0.145	----	----	0.537	1972
1973	----	----	0.306	0.215	0.141	0.123	0.040	0.016	0.065	0.005	----	----	0.114	1973
1974	----	----	0.245	0.486	0.668	0.141	0.041	0.098	0.117	0.044	----	----	0.230	1974
1975	----	----	0	1.42	2.76	1.40	0.171	0.168	0.161	0.136	----	----	0.774	1975
1976	----	----	0.732	0.395	0.479	0.290	0.064	0.147	0.093	0.057	----	----	0.279	1976
1977	----	----	0.069	0.202	0.092	0.076	0.045	0.047	0.045	0.024	----	----	0.075	1977
1978	----	----	0.846	0.277	0.183	0.212	0.139	0.185	0.479	0.034	----	----	0.294	1978
1979	----	----	1.36	1.36	0.807	0.183	0.095	0.084	0.056	0.015	----	----	0.495	1979
1980	----	----	0.142	0.493	0.510	0.359	0.101	0.132	0.163	0.048	----	----	0.242	1980
1981	----	----	0.355	0.256	0.914	0.754	0.207	0.120	0.079	0.092	----	----	0.347	1981
1982	----	----	0.042	1.71	0.240	0.201	0.127	0.008	0	0.022	----	----	0.289	1982
1983	----	----	0.102	0.140	0.114	0.055	0.090	0.067	0.029	0.011	----	----	0.077	1983
1984	----	----	0.097	0.141	0.065	0.071	0.021	0.039	0.002	0.014	----	----	0.056	1984
1985	----	----	0.243	0.233	0.136	0.147	0.030	0.014	0.223	0.154	----	----	0.147	1985
1986	----	----	0.546	0.539	0.178	0.075	0.045	0.047	0.104	0.100	----	----	0.152	1986
1987	----	----	0.193	0.571	0.118	0.112	0.073	0.141	0.106	0.050	----	----	0.169	1987
1988	----	----	0.057	0.119	0.091	0.012	0.013	0.017	0.007	0.010	----	----	0.041	1988
1989	----	----	0.327	0.226	0.152	0.410	0.118	0.101	0.159	0.148	----	----	0.204	1989
1990	----	----	0.520	0.307	0.499	0.329	0.122	0.102	0.059	0.071	----	----	0.251	1990
MEAN	----	0.136	0.526	0.696	0.497	0.584	0.176	0.122	0.147	0.105	----	----	0.348	MEAN

LOCATION - LAT 49 07 30 N DRAINAGE AREA, 221 km²
LONG 113 08 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973 AND 1986.

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	0 ON JUL 06 *	---	1912
1913	---	---	0 ON JUL 23	---	1913
1914	---	---	0 ON MAY 30	---	1914
1915	---	5.95 ON JUN 26	---	---	1915
1916	---	4.56 ON JUN 30	---	---	1916
1936	6.09 B ON APR 10	3.77 B ON APR 10	0 ON JUN 25	3 010	1936
1937	---	5.61 ON JUN 13	0 B ON MAR 01	3 280	1937
1938	3.88 B ON MAR 16	2.01 ON APR 10	0 ON SEP 29	5 060	1938
1939	0.821B AT 07:00 MST ON MAR 22	0.677B ON MAR 24	0 B ON MAR 01	1 140	1939
1940	1.47 B AT 21:00 MST ON MAR 28	1.30 B ON MAR 28	0 B ON MAR 01	2 110	1940
1941	---	0.340B ON MAR 08	0.006 ON JUL 22	1 200	1941
1942	1.05 AT 07:00 MST ON JUN 06	1.04 ON JUN 06	0 B ON MAR 01	3 880	1942
1943	12.7 ON MAR 28	8.69 ON MAR 28	0.028B ON MAR 04	8 220	1943
1944	0.535 AT 19:00 MST ON APR 03	0.498 ON APR 03	0 B ON MAR 01	1 850	1944
1945	---	0.878 ON JUN 08	0 B ON MAR 01	2 280	1945
1946	0.963B AT 18:00 MST ON MAR 12	0.736B ON MAR 12	0.008 ON AUG 09	2 370	1946
1947	---	7.08 B ON MAR 19	0 B ON MAR 05	10 100	1947
1948	26.8 AT 20:00 MST ON JUN 17	14.6 ON JUN 17	0.026B ON MAR 01	20 600	1948
1949	1.64 AT 18:00 MST ON MAY 23	1.61 ON MAY 23	0 B ON MAR 01	5 360	1949
1950	---	3.43 B ON APR 01	0.028B ON MAR 01	6 780	1950
1951	20.3 AT 18:00 MST ON JUN 24	12.9 ON JUN 24	0.014B ON MAR 01	26 700	1951
1952	---	8.27 B ON MAR 30	0.014 ON MAR 01	13 200	1952
1953	36.5 AT 18:00 MST ON JUN 03 *	27.2 E ON JUN 09 *	0.057B ON MAR 10	28 400	1953
1954	6.17 B AT 18:00 MST ON APR 08	4.98 B ON APR 08	0 B ON MAR 01	9 930	1954
1955	14.3 AT 18:00 MST ON MAY 19	12.5 ON MAY 20	0 B ON MAR 01	14 500	1955
1956	5.04 AT 18:00 MST ON JUL 03	3.57 ON JUL 04	0 B ON MAR 01	7 400	1956
1957	1.70 B AT 18:00 MST ON MAR 13	1.44 B ON MAR 13	0.011 ON SEP 25	5 170	1957
1958	6.63 B AT 23:00 MST ON APR 01	4.47 B ON APR 01	0.028B ON MAR 17	9 720	1958
1959	7.70 B AT 08:00 MST ON MAR 26	4.53 B ON MAR 26	0.031 ON JUL 16	7 880	1959
1960	---	9.00 B ON MAR 20	0.017 ON OCT 09	7 430	1960
1961	---	1.67 ON MAY 11	0 ON JUL 02	2 410	1961
1962	---	2.62 B ON MAR 21	0 B ON MAR 01	4 330	1962
1963	---	0.504 ON JUN 25	0 ON MAY 21	1 320	1963
1964	17.8 AT 18:00 MST ON JUN 08	7.50 ON JUN 08	0.006B ON MAR 01	11 000	1964
1965	---	8.55 B ON APR 05	0.031B ON MAR 16	15 500	1965
1966	---	5.78 A ON JUN 05	0.017B ON MAR 01	9 630	1966
1967	---	9.46 B ON MAR 27	0.076 ON AUG 26	17 900	1967
1968	3.48 AT 24:00 MST ON SEP 26	3.34 ON SEP 27	0.022 ON JUL 16	7 880	1968
1969	18.1 AT 22:30 MST ON MAR 31	9.00 ON APR 01	0.025 ON OCT 30	14 200	1969
1970	2.15 AT 14:33 MST ON JUN 17	1.80 ON JUN 17	0.021 ON OCT 04	4 000	1970
1971	---	2.36 B ON MAR 30	0.021B ON OCT 28	5 820	1971
1972	13.3 AT 07:15 MST ON MAR 15	12.8 ON MAR 15	0 B ON MAR 01	13 500	1972
1973	---	0.654B ON MAR 01	0 ON AUG 26	2 410	1973
1974	3.51 AT 05:25 MST ON MAY 01	2.83 ON MAY 01	0 ON AUG 04	4 870	1974
1975	15.4 AT 01:30 MST ON APR 29	10.1 ON APR 29	0 B ON MAR 01	16 400	1975
1976	10.8 B AT 23:30 MST ON MAR 17	4.05 B ON MAR 17	0.037B ON MAR 07	5 910	1976
1977	1.50 B AT 17:55 MST ON APR 03	1.13 ON APR 09	0 ON JUL 24	1 580	1977
1978	---	5.21 B ON MAR 24	0 B ON MAR 01	6 220	1978
1979	4.60 AT 00:15 MST ON APR 10	3.64 B ON MAR 16	0 B ON MAR 01	10 500	1979
1980	5.55 AT 19:40 MST ON MAY 26	4.09 ON MAY 26	0.021B ON MAR 05	5 130	1980
1981	9.33 AT 11:05 MST ON JUN 14	5.68 ON JUN 14	0.030B ON MAR 19	7 340	1981
1982	---	9.50 B ON APR 14	0 B ON MAR 01	6 110	1982
1983	0.222 AT 23:10 MST ON APR 29	0.217 ON APR 30	0 ON SEP 26	1 630	1983
1984	---	0.260B ON MAR 23	0 B ON MAR 02	1 190	1984
1985	2.72 B AT 02:15 MST ON MAR 21	1.83 B ON MAR 20	0 B ON MAR 01	3 110	1985
1986	9.97 AT 17:40 MST ON FEB 27	3.46 ON MAR 01	0.032 ON AUG 21	3 230	1986
1987	7.08 AT 00:35 MST ON APR 05	3.44 ON APR 04	0.005 ON JUL 16	3 580	1987
1988	0.256B AT 02:24 MST ON MAR 30	0.189B ON MAR 30	0 ON JUN 16	860	1988
1989	2.93 B AT 21:00 MST ON MAR 26	1.81 B ON MAR 26	0 B ON MAR 01	4 330	1989
1990	4.42 AT 23:44 MST ON MAR 20	1.89 ON MAR 21	0.041 ON OCT 30	5 320	1990
				7 360	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLPH CREEK NEAR TAYLORVILLE - STATION NO. 05AE020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	0.283	0.305	0.090	0.160	---	---	1917
1918	---	---	---	---	0.160	0.136	0.179	0.235	0.168	0.032	---	---	---	1918
1919	---	---	---	0.200	0.251	0.094	0.027	0.059	0.021	0.037	---	---	---	1919
1920	---	---	---	0.994	1.03	0.162	0.055	0.108	0.066	0.015	---	---	---	1920
MEAN	---	---	---	0.597	0.480	0.131	0.087	0.171	0.140	0.044	0.160	---	---	MEAN

LOCATION - LAT 49 02 45 N
LONG 113 06 50 W
DRAINAGE AREA, 115 km²
NATURAL FLOW

ROLPH CREEK NEAR TAYLORVILLE - STATION NO. 05AE020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	0.651B ON APR 01	0B ON MAR 28 *	---	1919
1920	---	2.66 B ON APR 16 *	---	---	1920
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	1.16	1.10	1.39	0.012	0.005	0.001	---	---	---	1979
1980	---	---	---	1.75	---	---	0.172	0.131	0.042	---	---	---	---	1980
1981	---	---	---	0.531	0.138	0.038	0	0.001	0	0	---	---	---	1981
1982	---	---	---	2.91	0.538	0.020	0.138	0.020	0	0	---	---	---	1982
1983	---	---	0.001	0.549	0.003	0.306	0.566	0	0	0	---	---	---	1983
1984	---	---	---	0.069	0.193	0.892	0.037	0.002	0.002	0	---	---	0.179	1984
1985	---	---	0.694	1.08	0.126	0.501	0.031	0	0.001	0	---	---	0.302	1985
1986	---	---	1.36	1.12	0.881	0.045	0.268	0.017	0.003	0.026	---	---	0.441	1986
1987	---	---	0.003	0.783	0.078	0.009	0	0	0	0	---	---	0.107	1987
1988	---	---	0	0.005	0.001	0.052	0.209	0	0	0	---	---	0.034	1988
1989	---	---	---	0.383	0.058	0.001	0.085	0.990	0.002	0	---	---	---	1989
1990	---	---	---	0.274	0.016	0	0.113	0	0	0	---	---	---	1990
MEAN	---	---	0.412	0.859	0.272	0.270	0.252	0.098	0.005	0.002	---	---	0.213	MEAN

LOCATION - LAT 54 04 20 N, LONG 114 54 05 W DRAINAGE AREA, 115 km² NATURAL FLOW

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	5.02 ON JUL 13	0 ON JUL 27 *	---	1979
1980	---	5.44E ON APR 06	0 ON MAY 20	---	1980
1981	---	2.88B ON MAR 17	0 ON JUN 30	---	1981
1982	18.0 AT 12:00 MST ON APR 24 *	16.8 ON APR 24 *	0B ON APR 01	---	1982
1983	2.32 AT 14:30 MST ON JUL 10	2.23 ON JUL 10	0B ON MAR 01	3 800	1983
1984	4.94 AT 18:14 MST ON JUN 08	4.41 ON JUN 08	0 ON JUL 22	---	1984
1985	4.46 AT 23:44 MST ON JUN 25	3.83 ON JUN 26	0B ON MAR 01	6 390	1985
1986	3.87 AT 15:17 MST ON MAR 23	3.27B ON MAR 23	0 ON JUN 13	9 330	1986
1987	3.79 AT 10:57 MST ON APR 05	3.05 ON APR 05	0B ON MAR 01	2 270	1987
1988	2.68 AT 05:04 MST ON JUL 08	2.32 ON JUL 08	0B ON MAR 01	718	1988
1989	8.06 AT 19:19 MST ON AUG 03	7.24 ON AUG 04	0B ON MAR 31	---	1989
1990	1.96 AT 04:43 MST ON JUL 05	1.57 ON JUL 05	0 ON MAY 10	---	1990
				4 500	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.454	0.920	0.641	0.502	0.575	1.32	---	---	---	1957
1958	---	---	---	---	0.300	1.01	1.38	1.14	0.601	1.75	---	---	---	1958
1959	---	---	---	---	0.522	1.41	0.563	0.962	1.05	0.773	---	---	---	1959
1960	---	---	---	---	0.316	0.518	1.05	1.07	2.30	0.970	---	---	---	1960
1961	---	---	---	---	0.707	1.48	0.837	0.611	0.578	0.467	---	---	---	1961
1962	---	---	---	---	0.577	1.42	0.818	0.902	1.00	0.658	---	---	---	1962
1963	---	---	---	---	0.838	0.792	0.689	1.02	0.607	0.409	---	---	---	1963
1964	---	---	---	---	0.210	1.19	1.19	1.44	0.854	0.625	---	---	---	1964
1965	---	---	---	---	0.015	1.36	0.931	0.852	1.00	0.973	---	---	---	1965
1966	---	---	---	---	0.082	1.57	2.09	2.14	1.94	1.35	---	---	---	1966
1967	---	---	---	---	0.093	1.21	0.956	1.66	1.06	0.302	---	---	---	1967
1968	---	---	---	---	0.938	1.26	1.03	0.963	0.944	0.377	---	---	---	1968
1969	---	---	---	---	0.312	1.02	0.450	1.05	1.10	0.458	---	---	---	1969
1970	---	---	---	---	0.559	0.991	1.23	0.777	0.956	0.471	---	---	---	1970
1971	---	---	---	0	0.250	0.854	0.630	0.587	0.402	0.281	0.023	---	---	1971
1972	---	---	---	---	0.446	0.871	0.611	0.444	0.857	0.579	---	---	---	1972
1973	---	---	---	---	0.834	1.19	0.950	0.704	0.178	0.177	---	---	---	1973
1974	---	---	---	---	0.329	0.696	0.812	0.894	0.687	0.430	0.075	---	---	1974
1975	---	---	---	---	0.372	1.24	1.35	1.58	1.06	0.644	---	---	---	1975
1976	---	---	---	---	0.667	0.864	1.03	0.939	0.655	0.428	0.117	---	---	1976
1977	---	---	---	---	0.513	0.513	0.734	0.676	0.811	0.702	0.501	---	---	1977
1978	---	---	---	---	0.003	0.438	0.510	0.591	1.05	2.51	---	---	---	1978
1979	---	---	---	---	0.086	1.10	0.722	0.561	0.285	0.152	---	---	---	1979
1980	---	---	---	---	0.488	0.549	0.479	0.690	0.375	0.296	0.088	---	---	1980
1981	---	---	---	---	0.381	1.14	0.675	0.749	0.636	0.707	---	---	---	1981
1982	---	---	---	---	0.795	1.35	0.904	1.11	0.695	1.56	0.357	---	---	1982
1983	---	---	---	---	0.934	0.769	1.27	0.983	0.551	0.265	---	---	---	1983
1984	---	---	---	---	0.152	0.415	0.255	0.268	0.277	0.087	---	---	---	1984
1985	---	---	---	---	0.311	0.530	0.270	0.258	0.216	0.149	---	---	---	1985
1986	---	---	---	---	0.201	0.346	0.464	0.257	0.272	0.262	---	---	---	1986
1987	---	---	---	---	0.338	0.539	0.435	0.219	0.319	0.136	---	---	---	1987
1988	---	---	---	---	0.396	0.669	0.551	0.512	0.515	0.152	---	---	---	1988
1989	---	---	---	---	0.288	0.513	0.422	0.395	0.381	0.167	---	---	---	1989
MEAN	---	---	---	0	0.416	0.922	0.816	0.834	0.751	0.604	0.194	---	---	MEAN

LOCATION - LAT 50 02 40 N, LONG 111 35 00 W REGULATED

ROMALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	---	---	---	1980
1981	---	---	---	---	1981
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1989	---	---	---	---	1989
				---	MEAN

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.268	2.69	2.01	6.91	1.37	0.396	0.228	0.633	---	---	1.79	1972
1973	---	---	0.194	9.45	5.16	1.32	2.00	2.49	0.486	0.487	---	---	1.69	1973
1974	---	---	0.161	14.6	11.9	2.39	4.46	0.436	0.448	0.297	---	---	4.32	1974
1975	---	---	0.135	1.95	1.92	1.02	0.802	0.173	0.294	0.100	---	---	0.795	1975
1976	---	---	0.160	1.33	0.438	0.498	0.611	3.52	0.599	0.281	---	---	0.931	1976
1977	---	---	0.158	1.62	14.2	2.99	0.462	0.769	1.99	0.872	---	---	2.89	1977
1978	---	---	0.643	3.81	6.02	5.92	0.659	0.205	1.04	0.580	---	---	2.34	1978
1979	---	---	0.297	2.25	1.45	0.874	1.09	0.429	0.178	0.288	---	---	0.854	1979
1980	---	---	0.117	6.25	6.19	23.2	9.30	2.73	5.49	1.61	---	---	6.80	1980
1981	---	---	0.954	1.65	11.3	3.41	7.22	2.18	0.152	0.315	---	---	3.41	1981
1982	---	---	0.119	3.23	3.11	1.27	16.0	0.944	0.802	2.38	---	---	3.50	1982
1983	---	---	0.709	4.64	3.29	1.01	4.01	0.207	0.085	0.172	---	---	1.76	1983
1984	---	---	0.487	0.686	2.33	2.04	0.113	0.033	0.739	0.501	---	---	0.863	1984
1985	---	---	0.109	5.10	3.08	0.814	0.096	0.303	3.08	0.922	---	---	1.67	1985
1986	---	---	0.874	0.802	9.58	0.790	19.1	1.36	1.50	2.76	---	---	4.64	1986
1987	---	---	0.263	2.49	1.30	0.590	2.20	3.11	0.561	0.394	---	---	1.37	1987
1988	---	---	0.464	0.693	0.387	0.871	1.63	1.51	1.06	0.516	---	---	0.891	1988
1989	---	---	0.081	3.09	4.30	1.38	3.73	7.56	1.70	3.38	---	---	3.17	1989
1990	---	---	0.665	6.26	10.3	19.7	17.6	0.612	0.368	0.390	---	---	6.97	1990
MEAN	---	---	0.361	3.82	5.17	4.06	4.87	1.52	1.09	0.888	---	---	2.72	MEAN

LOCATION - LAT 52 55 48 N DRAINAGE AREA, 551 km²
LONG 115 00 36 W NATURAL FLOW

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	50.4 ON JUN 26	0.042B ON MAR 01	38 000	1972
1973	---	18.8 ON APR 30	0.127B ON MAR 14	57 000	1973
1974	---	39.9 ON APR 26	0.113B ON MAR 13	91 500	1974
1975	---	6.09B ON APR 23	0.059 ON OCT 08	16 800	1975
1976	---	13.3 ON AUG 10	0.060B ON APR 03	19 700	1976
1977	---	41.9 ON MAY 29	0.150B ON MAR 09	61 100	1977
1978	---	22.1 ON MAY 31	0.096B ON MAR 01	49 600	1978
1979	---	7.64B ON APR 26	0.068B ON MAR 01	18 100	1979
1980	---	106 ON JUN 05	0.069B ON MAR 01	144 000	1980
1981	71.6 AT 03:15 MST ON MAY 08	64.9 ON MAY 08	0.077 ON SEP 19	72 200	1981
1982	106 AT 22:00 MST ON JUL 05	97.0 ON JUL 05	0.068B ON MAR 17	74 100	1982
1983	30.8 AT 20:30 MST ON APR 25	22.0 ON APR 26	0.066 ON SEP 07	37 300	1983
1984	8.74 AT 22:00 MST ON JUN 09	8.11 ON JUN 10	0.016 ON AUG 29	18 300	1984
1985	25.8 AT 17:05 MST ON SEP 13	20.5 ON SEP 13	0.010B ON MAR 12 *	35 400	1985
1986	276 AT 19:25 MST ON JUL 18 *	228 A ON JUL 18 *	0.222B ON APR 07	98 300	1986
1987	10.2 AT 18:58 MST ON AUG 10	7.37 ON AUG 11	0.090B ON MAR 11	28 900	1987
1988	10.4 AT 01:21 MST ON JUL 07	8.17 ON JUL 07	0.061 ON MAY 28	18 900	1988
1989	42.7 AT 23:50 MST ON AUG 04	36.2 ON AUG 04	0.047B ON MAR 05	67 000	1989
1990	184 AT 07:07 MST ON JUL 04	149 ON JUL 04	0.168 ON OCT 02	148 000	1990
				57 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT BEYNON - STATION NO. 05CE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	5.27	2.56	4.97	8.34	7.61	5.38	1.85	---	---	---	1922
1923	---	---	0.676	1.37	4.47	6.01	2.90	2.47	1.90	0.593	---	---	2.29	1923
1924	---	---	0.223	1.71	2.17	3.75	2.37	3.70	2.34	2.10	---	---	2.29	1924
1925	---	---	10.1	16.2	3.35	4.00	2.42	2.48	3.62	1.66	---	---	5.45	1925
1926	---	---	5.62	1.86	2.28	5.47	3.21	1.62	5.54	1.69	---	---	3.60	1926
1927	---	---	13.5	8.89	4.08	2.32	3.45	2.36	3.80	1.57	---	---	4.75	1927
1928	---	---	14.1	3.16	2.45	10.1	3.92	1.88	2.81	0.813	---	---	4.90	1928
1929	---	---	0.312	0.729	2.24	2.39	3.86	4.96	2.28	1.70	---	---	2.31	1929
1930	---	2.83	1.76	1.10	1.72	5.34	4.81	4.85	4.98	5.10	---	---	3.71	1930
1931	---	---	0.252	0.546	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	3.12	1.15	---	---	---	1935
1936	---	---	11.4	---	1.37	1.58	2.48	2.15	2.33	1.01	---	---	---	1936
MEAN	---	2.83	5.79	4.02	2.27	4.59	3.78	3.63	3.46	1.75	---	---	3.66	MEAN

LOCATION - LAT 51 20 00 N LONG 112 46 55 W DRAINAGE AREA, 3 990 km^2 REGULATED

ROSEBUD RIVER AT BEYNON - STATION NO. 05CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	13.0 ON APR 24	---	---	1922
1923	---	44.7 ON JUN 01	0.170B ON OCT 30	48 500	1923
1924	---	6.14 ON AUG 03	0.028B ON MAR 08	48 500	1924
1925	---	80.7 B ON MAR 29 *	0 B ON MAR 01 *	115 000	1925
1926	---	13.1 B ON MAR 04	0.059B ON APR 04	76 300	1926
1927	---	49.6 B ON MAR 27	0 B ON MAR 01	101 000	1927
1928	---	67.1 B ON MAR 20	0 B ON MAR 01	104 000	1928
1929	---	6.88 ON JUL 14	0.028B ON MAR 01	49 000	1929
1930	---	14.9 ON JUN 24	0.133B ON MAR 06	78 500	1930
1931	---	---	0 B ON MAR 01	---	1931
1935	---	---	---	---	1935
1936	---	40.5 B ON MAR 08	0 B ON MAR 01	---	1936
				77 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	3.49	1.54	5.10	1.80	---	---	---	1951
1952	---	---	---	---	3.49	5.50	3.16	1.22	1.45	1.24	---	---	---	1952
1953	---	---	---	---	3.63	7.10	4.14	1.72	2.11	0.939	---	---	---	1953
1954	---	---	---	---	5.73	4.50	2.25	9.59	9.29	2.92	---	---	---	1954
1955	---	---	---	---	8.78	3.22	3.70	2.08	2.32	1.10	---	---	---	1955
1956	---	---	---	---	1.91	3.02	2.96	2.75	2.14	0.698	---	---	---	1956
1957	---	---	---	---	1.82	2.79	2.29	2.95	1.68	1.03	---	---	---	1957
1958	---	---	---	---	1.61	2.63	2.35	1.08	1.81	0.918	---	---	---	1958
1959	---	---	---	---	1.49	3.02	1.88	2.42	2.35	0.715	---	---	---	1959
1960	---	---	---	---	2.29	2.26	1.86	1.80	1.31	0.653	---	---	---	1960
1961	---	---	---	---	2.40	1.66	0.905	1.86	1.39	0.760	---	---	---	1961
1962	---	---	---	---	1.64	2.22	3.01	1.94	2.18	0.583	---	---	---	1962
1963	---	---	---	---	0.987	1.46	1.98	1.20	1.26	0.885	---	---	---	1963
1964	---	---	---	---	1.19	2.41	1.32	1.06	1.93	0.996	---	---	---	1964
1965	---	---	---	---	1.60	3.80	6.07	2.32	3.56	1.81	---	---	---	1965
1966	---	---	---	---	3.01	4.17	6.68	1.69	0.967	0.765	---	---	---	1966
1967	---	---	0.268	26.4	8.67	2.67	1.61	1.32	1.51	1.05	---	---	5.38	1967
1968	---	---	---	---	1.83	2.59	2.52	2.72	2.80	1.79	---	---	---	1968
1969	---	---	---	---	2.30	1.82	2.50	1.35	2.12	1.30	---	---	---	1969
1970	---	---	1.90	2.02	1.02	5.33	3.37	1.84	2.37	1.76	---	---	2.44	1970
1971	---	---	4.05	41.5	3.13	3.30	1.79	1.91	2.15	0.983	---	---	7.25	1971
1972	---	---	6.48	2.20	1.46	2.52	2.19	1.39	2.21	1.05	---	---	2.44	1972
1973	---	---	8.01	0.19	2.62	3.13	1.93	1.92	2.69	---	---	---	---	1973
1974	---	---	0.181	24.0	8.12	2.25	1.93	1.90	1.94	1.10	---	---	5.12	1974
1975	---	---	0	3.87	2.98	2.43	1.83	2.27	2.06	1.16	---	---	2.07	1975
1976	---	---	2.55	1.82	1.91	2.50	2.07	4.23	3.74	0.915	---	---	2.39	1976
1977	---	---	0.219	0.382	1.98	1.86	0.736	1.54	1.45	0.823	---	---	1.08	1977
1978	---	---	4.90	6.07	2.10	2.58	0.943	2.13	3.74	1.39	---	---	3.12	1978
1979	---	---	2.27	1.65	0.872	1.41	1.71	2.82	1.96	1.00	---	---	1.71	1979
1980	---	---	0.904	8.39	1.98	3.43	2.47	2.93	2.07	0.781	---	---	2.73	1980
1981	---	---	0.778	0.690	3.27	1.81	2.96	1.68	1.76	1.55	---	---	1.82	1981
1982	---	---	1.77	5.00	1.37	2.21	2.76	2.12	2.76	1.75	---	---	2.46	1982
1983	---	---	0.705	1.41	1.43	1.66	2.80	2.05	2.73	1.19	---	---	1.75	1983
1984	---	---	0.767	0.883	1.38	2.61	1.67	3.44	3.52	1.24	0.190	---	1.93	1984
1985	---	---	4.67	1.33	1.55	2.38	2.01	3.12	4.39	1.11	---	---	2.57	1985
1986	---	---	1.13	0.539	3.37	2.74	4.52	2.43	6.05	4.22	---	---	3.12	1986
1987	---	---	0.391	2.58	1.34	1.93	4.63	3.49	3.34	1.05	---	---	2.34	1987
1988	---	---	0.159	0.975	1.21	3.06	2.38	5.42	2.88	1.49	---	---	2.19	1988
1989	---	---	0.277	4.19	1.55	2.85	2.40	2.41	3.36	0.528	---	---	2.18	1989
1990	---	---	1.19	0.942	2.05	6.14	3.16	2.90	1.54	0.793	---	---	2.33	1990
MEAN	---	---	1.94	6.59	2.57	2.96	2.61	2.44	2.65	1.23	0.190	---	2.78	MEAN

LOCATION - LAT 51 17 36 N DRAINAGE AREA, 3 580 km²
LONG 113 00 38 W REGULATED

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	0 ON MAR 10 *	---	1966
1967	---	48.1 ON APR 14	0.028B ON MAR 01	114 000	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	18.5 ON JUN 20	0 B ON MAR 01	51 700	1970
1971	---	177 ON APR 09 *	0.028B ON MAR 01	153 000	1971
1972	---	28.3 B ON MAR 23	0.142B ON MAR 01	51 600	1972
1973	---	33.1 B ON MAR 26	---	---	1973
1974	---	79.3 ON APR 13	0.142B ON MAR 01	108 000	1974
1975	---	12.9 B ON APR 22	0 B ON MAR 01	43 700	1975
1976	---	9.71B ON MAR 25	0.062B ON MAR 01	50 600	1976
1977	---	4.59 ON JUN 01	0.102B ON MAR 03	22 900	1977
1978	---	32.6 B ON MAR 30	0.017B ON MAR 01	66 000	1978
1979	---	8.15B ON MAR 11	0 B ON MAR 01	36 200	1979
1980	---	36.1 B ON APR 12	0 B ON MAR 01	57 900	1980
1981	---	6.85 ON MAY 16	0.092 ON APR 28	38 500	1981
1982	---	11.4 B ON APR 14	0 B ON MAR 01	52 000	1982
1983	---	4.02 ON APR 01	0.060B ON MAR 07	37 100	1983
1984	---	5.79 ON JUN 11	0.105B ON MAR 04	40 900	1984
1985	---	23.6 B ON MAR 18	0 B ON MAR 01	54 400	1985
1986	17.7 AT 13:35 MST ON SEP 27	16.0 ON SEP 27	0.300 ON MAY 01	66 100	1986
1987	10.9 AT 15:27 MST ON JUL 07	10.7 ON JUL 07	0.170B ON MAR 01	49 500	1987
1988	25.7 AT 03:35 MST ON AUG 21 *	15.5 ON AUG 21	0.004B ON MAR 01	46 500	1988
1989	14.7B AT 03:16 MST ON APR 03	12.5 B ON APR 03	0 B ON MAR 01	46 100	1989
1990	17.4 AT 11:36 MST ON JUN 06	16.5 ON JUN 06	0.135B ON MAR 22	49 400	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 900	MEAN

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.189	0.109	0.024	0.001	0	0.009	---	---	---	1957
1958	---	---	---	---	0.133	0.046	0.067	0	0	0	---	---	---	1958
1959	---	---	0.440	0.060	0.050	0.079	0.040	0.057	0.040	0.021	---	---	0.099	1959
1960	---	---	6.36	1.15	0.230	0.036	0.025	0.053	0	0	---	---	0.989	1960
1961	---	---	0.866	0.127	0.090	0.002	0.018	0	0	0	---	---	0.139	1961
1962	---	---	0.787	0.080	0.021	0.006	0	0	0	0	---	---	0.113	1962
1963	---	---	1.07	0.249	0.049	0	0.040	0	0	0	---	---	0.177	1963
1964	---	---	0	0.163	0.197	0.158	0.104	0	0	0.014	---	---	0.079	1964
1965	---	---	2.41	3.13	0.121	0.255	0.774	0.291	0.507	0.290	---	---	0.969	1965
1966	---	---	4.19	0.882	0.637	0.464	1.43	0.138	0.028	0.049	---	---	0.904	1966
1967	---	---	1.23	7.95	2.25	0.544	0.170	0.032	0.004	0	---	---	1.51	1967
1968	---	---	0.335	0.185	0.171	0.190	0.061	0.030	0.030	0.056	---	---	0.132	1968
1969	---	---	0.894	8.27	0.301	0.040	0.226	0.018	0.035	0.030	---	---	1.21	1969
1970	---	---	0.643	0.361	0.155	1.88	0.724	0.030	0.028	0.052	---	---	0.481	1970
1971	---	---	2.52	10.8	0.287	0.812	0.084	0.003	0.005	0.004	---	---	1.79	1971
1972	---	---	1.60	0.291	0.058	0.159	0.086	0.003	0.016	0.035	---	---	0.282	1972
1973	---	---	2.41	3.95	0.455	0.196	0.190	0.012	0.015	0.004	---	---	0.898	1973
1974	---	---	0	7.22	2.64	0.421	0.068	0.012	0.009	0.006	---	---	1.28	1974
1975	---	---	0.001	1.21	0.591	0.097	0.014	0	0	0	---	---	0.236	1975
1976	---	---	0.407	0.131	0.033	0.029	0.001	0.011	0.004	0	---	---	0.077	1976
1977	---	---	0.004	0.041	0.055	0.043	0	0	0	0	---	---	0.018	1977
1978	---	---	1.25	1.08	0.123	0.209	0.005	0.053	0.097	0.027	---	---	0.355	1978
1979	---	---	0.848	0.396	0.185	0.026	0.007	0.001	0	0	---	---	0.183	1979
1980	---	---	0.168	0.848	0.087	0.459	0.144	0.026	0.003	0	---	---	0.214	1980
1981	---	---	0.117	0.101	0.682	0.145	0.350	0.096	0.001	0.002	---	---	0.188	1981
1982	---	---	0.224	1.13	0.195	0.124	0.192	0.015	0	0.003	---	---	0.234	1982
1983	---	---	0.076	0.188	0.102	0.057	0.024	0	0	0	---	---	0.056	1983
1984	---	---	0.070	0.023	0.070	0.009	0	0	0	0	---	---	0.022	1984
1985	---	---	0.291	0.086	0.020	0.006	0	0	0.309	0.036	---	---	0.093	1985
1986	---	---	0.239	0.032	0.987	0.069	0.168	0.045	0.532	0.908	---	---	0.374	1986
1987	---	---	0.083	0.709	0.174	0.017	0.008	0.004	0.002	0.003	---	---	0.123	1987
1988	---	---	0	0.147	0	0.020	0.011	0.014	0.003	0.004	---	---	0.024	1988
1989	---	---	0.060	0.451	0.058	0.036	0.141	0.017	0.029	0.045	---	---	0.104	1989
1990	---	---	0.615	0.257	0.257	2.55	0.304	0.052	0.018	0.010	---	---	0.502	1990
MEAN	---	---	0.944	1.62	0.343	0.273	0.162	0.030	0.050	0.047	---	---	0.435	MEAN

LOCATION - LAT 51 25 00 N LONG 113 43 35 W DRAINAGE AREA, 753 km^2 NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	0 ON JUL 14 *	---	1957
1958	---	---	0 E ON JUN 22	---	1958
1959	---	1.08 B ON MAR 01	0 ON JUN 08	2 100	1959
1960	---	26.7 B ON MAR 20	0 B ON MAR 01	20 900	1960
1961	---	5.21 B ON MAR 20	0 B ON MAR 01	2 940	1961
1962	---	4.59 B ON MAR 18	0 B ON MAR 01	2 390	1962
1963	---	3.09 B ON MAR 24	0 ON MAY 22	3 750	1963
1964	0.968 AT 09:00 MST ON MAY 08	0.900 ON MAY 08	0 B ON MAR 01	1 670	1964
1965	---	10.8 B ON APR 07	0.017 ON AUG 23	20 500	1965
1966	---	12.1 A ON MAR 15	0 B ON MAR 01	20 800	1966
1967	---	15.8 B ON APR 08	0 B ON MAR 02	31 900	1967
1968	---	0.977B ON MAR 07	0 ON JUL 06	2 800	1968
1969	---	41.3 ON APR 02 *	0 B ON MAR 01	25 600	1969
1970	13.9 AT 23:36 MST ON JUN 17	11.9 ON JUN 17	0 B ON MAR 01	10 200	1970
1971	40.5 AT 02:30 MST ON APR 07 *	36.5 B ON APR 06	0 ON AUG 13	37 900	1971
1972	---	7.67 B ON MAR 18	0 B ON MAR 01	5 970	1972
1973	10.6 B AT 15:20 MST ON APR 05	10.0 B ON APR 05	0 ON AUG 20	19 000	1973
1974	24.2 B AT 05:40 MST ON APR 16	21.5 B ON APR 16	0 B ON MAR 01	27 100	1974
1975	3.14 B AT 00:00 MST ON APR 20	2.83 B ON APR 19	0 B ON MAR 01	5 000	1975
1976	3.03 B AT 11:25 MST ON MAR 19	2.74 B ON MAR 19	0 ON JUL 06	1 640	1976
1977	0.286 AT 13:00 MST ON JUN 04	0.238 ON JUN 04	0 B ON MAR 01	374	1977
1978	8.78 AT 24:00 MST ON MAR 30	8.04 ON MAR 31	0 B ON MAR 01	7 520	1978
1979	2.72 B AT 09:30 MST ON MAR 13	2.38 B ON MAR 13	0 B ON MAR 01	3 880	1979
1980	3.55 AT 03:30 MST ON JUN 17	2.10 B ON MAR 30	0 B ON MAR 01	4 530	1980
1981	2.92 AT 05:50 MST ON MAY 10	2.50 ON MAY 10	0 ON AUG 28	3 980	1981
1982	---	3.71 E ON APR 13	0 B ON MAR 01	4 950	1982
1983	1.02 AT 17:42 MST ON APR 27	0.687 ON APR 29	0 B ON MAR 01	1 180	1983
1984	0.682B AT 21:44 MST ON MAR 22	0.411B ON MAR 23	0 B ON MAR 01	456	1984
1985	4.01 AT 05:20 MST ON SEP 14	2.80 ON SEP 14	0 B ON MAR 01	1 960	1985
1986	5.55 AT 21:35 MST ON SEP 27	4.27 ON MAY 19	0 ON AUG 27	7 920	1986
1987	---	2.63 B ON APR 01	0 B ON MAR 01	2 610	1987
1988	0.788 AT 20:05 MST ON APR 03	0.481B ON APR 07	0 B ON MAR 01	517	1988
1989	1.37 AT 18:42 MST ON APR 11	0.884 ON APR 15	0 B ON MAR 01	2 190	1989
1990	13.2 AT 18:29 MST ON JUN 03	11.1 ON JUN 03	0 ON SEP 25	10 600	1990
				9 210	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	1926
MEAN	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	MEAN

LOCATION - LAT 51 28 30 N, LONG 113 48 15 W
DRAINAGE AREA, 471 km^2
NATURAL FLOW

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON JUN 03 *	---	1926
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.128	0.056	0.157	0.146	0.066	---	---	---	1912
1913	---	---	---	1.32	0.171	0.059	0.048	0.032	0.019	0.112	---	---	---	1913
1914	---	---	---	0.275	---	0.055	0.001	0.006	0.030	0.116	---	---	---	1914
MEAN	---	---	---	0.798	0.171	0.081	0.035	0.065	0.065	0.098	---	---	---	MEAN

LOCATION - LAT 49 46 35 N, LONG 110 17 10 W
DRAINAGE AREA, 89.1 km^2
NATURAL FLOW

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH036

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	1.59 ON APR 06 *	0 ON APR 10 *	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROSS CREEK AT MEDICINE HAT - STATION NO. 05AH049

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	2.21	0.487	0.200	0.376	0.527	0.175	---	---	0.663	1985
1986	---	---	---	---	2.13	0.488	0.466	0.355	1.80	1.89	---	---	1.19	1986
1987	---	---	---	---	0.625	0.526	0.476	0.507	0.423	0.216	---	---	0.462	1987
1988	---	---	---	---	0.406	0.422	0.191	0.300	0.360	0.326	---	---	0.334	1988
1989	---	---	---	---	0.597	0.463	0.211	0.276	0.611	0.258	---	---	0.401	1989
1990	---	---	---	---	0.433	0.211	0.306	0.325	0.234	0.278	---	---	0.299	1990
MEAN	---	---	---	---	1.07	0.433	0.308	0.357	0.659	0.524	---	---	0.558	MEAN

LOCATION - LAT 50 01 47 N LONG 110 38 27 W DRAINAGE AREA, 1 490 km²
REGULATED

ROSS CREEK AT MEDICINE HAT - STATION NO. 05AH049

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	---	5.25RA ON MAY 02	0.002 ON JUL 08 *	10 500	1985
1986	---	7.47 ON SEP 29 *	0.085 ON JUL 08	18 900	1986
1987	---	1.45 ON MAY 07	0.110 ON OCT 30	7 350	1987
1988	---	1.41 ON JUN 07	0.073 ON SEP 04	5 300	1988
1989	---	1.25 ON MAY 21	0.065 ON JUL 09	6 380	1989
1990	---	1.27 ON JUL 27	0.070 ON JUL 09	4 750	1990
				8 860	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.069	---	---	---	1980
1981	---	0	0	0	0	0	0	0	0	0.138	---	---	0.016	1981
1982	---	0	0	0	0.005	---	---	0	0	0	---	---	---	1982
1983	---	0	0.032	0.057	0.223	0.089	0.076	0	0	0.111	---	---	0.066	1983
1984	---	0	0	0	0	0	0	0	0	0.124	---	---	0.014	1984
1985	---	0	0	0	0.185	0.059	0	0	0	0	---	---	0.027	1985
1986	---	---	---	---	---	---	---	---	---	---	---	---	---	1986
MEAN	---	0	0.006	0.011	0.083	0.037	0.019	0	0	0.074	---	---	0.031	MEAN

LOCATION - LAT 49 40 42 N LONG 110 17 42 W DRAINAGE AREA, 29 km²
REGULATED

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH046

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	2.48 AT 12:30 MST ON OCT 13 *	0.754 ON OCT 14 *	0 B ON FEB 01 *	371	1981
1982	---	---	0 B ON FEB 01	---	1982
1983	0.879 AT 10:37 MST ON OCT 13	0.727 ON OCT 14	0 B ON FEB 01	1 560	1983
1984	0.661 AT 12:30 MST ON OCT 09	0.529 ON OCT 10	0 B ON FEB 01	333	1984
1985	0.856B AT 11:30 MST ON MAY 16	0.685B ON MAY 16	0 B ON FEB 01	647	1985
1986	---	---	0.001B ON MAR 01	---	1986
				728	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.161	0.111	0.145	0.180	0.014	0	0	0	---	---	0.076	1982
1983	---	0.002	0.004	0.035	0.100	0.035	0.147	0.003	0	0	---	---	0.041	1983
MEAN	---	0.001	0.055	0.049	0.082	0.072	0.054	0.001	0	0	---	---	0.039	MEAN

LOCATION - LAT 49 57 15 N LONG 110 20 24 W REGULATED

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	0 ON MAR 01	0 ON MAR 01 *	0	1981
1982	---	0.974A ON MAR 30 *	0B ON MAR 01	1 610	1982
1983	---	0.394 ON JUL 23	0B ON MAR 03	864	1983
				825	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.004	0.001	---	---	---	---	---	---	1910
1911	---	---	---	0.919	0.240	0.072	0.372	0.027	0.510	0.116	---	---	---	1911
1912	---	---	---	---	0.335	0.269	0.012	0.102	0.212	0.043	---	---	---	1912
1913	---	---	---	2.36	0.355	0.036	0.054	0.015	0.001	0.001	---	---	---	1913
1914	---	---	0.792	1.20	0.202	0.004	0	0	0	0.252	---	---	---	1914
1915	---	---	---	1.30	0.466	1.46	0.530	0.337	0.011	0.024	---	---	---	1915
1916	---	---	2.60	0.333	1.08	4.69	2.67	0.616	0.155	0.214	---	---	---	1916
1917	---	---	---	10.3	3.54	0.167	0.001	0	0	0	---	---	---	1917
1918	---	---	---	1.36	0.158	0.015	0	0	0	0	---	---	---	1918
1919	---	---	0	0.297	0.015	0	0	0	0	0	---	---	---	1919
1920	---	0.006	2.11	1.51	0.357	0.026	0.022	---	---	---	---	---	---	1920
1921	---	0.510	0.804	2.81	0.513	0.030	0.004	0	0	0	---	---	0.515	1921
1922	---	---	1.64	7.89	1.18	0.084	0.001	---	---	---	---	---	---	1922
1923	---	0	0.483	1.07	0.023	1.30	0.026	0	0	0	---	---	0.321	1923
1924	---	0	0	0.272	0.010	0.017	0.001	0.001	0	0	---	---	0.033	1924
1925	---	0.123	3.58	1.77	0.152	0.056	0	0	0.001	0.006	---	---	0.638	1925
1926	---	0.124	0.735	0.302	0.013	0	0	0	0	0	---	---	0.131	1926
1927	---	0	0.583	2.48	4.51	1.21	0.561	0.137	0.004	0.105	---	---	1.08	1927
1928	---	0.064	3.23	0.545	0.087	0.848	0.533	0.020	0	0	---	---	0.597	1928
1929	---	0	1.89	1.76	0.702	0.060	0	0	0	0	---	---	0.494	1929
1930	---	1.99	0.166	0.575	0.033	0.025	0	0	0.008	0.002	---	---	0.293	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	2.42	0.333	0.021	0.037	---	---	---	---	---	---	1935
1936	---	---	1.82	3.96	0.054	0.003	0	0	0	0	---	---	---	1936
1937	---	---	0.006	0.571	0.001	0	0	0	0	0	---	---	---	1937
1938	---	---	1.25	2.18	0.393	0.019	---	---	---	---	---	---	---	1938
1939	---	---	3.28	0.247	0.002	0.583	---	---	---	---	---	---	---	1939
1940	---	---	1.86	4.34	0.432	0.041	---	---	---	---	---	---	---	1940
1941	---	0.014	1.35	0.029	0	0.119	---	---	---	---	---	---	---	1941
1942	---	---	0.006	0.473	0	0.660	---	---	---	---	---	---	---	1942
1943	---	2.09	4.10	0.830	0.073	0	---	---	---	---	---	---	---	1943
1944	---	---	0.002	0.031	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.959	0.001	0	0	---	---	---	---	---	---	---	1945
1946	---	0.299	2.06	0.225	---	0	---	---	---	---	---	---	---	1946
1947	---	---	6.60	1.78	0.122	0.048	---	---	---	---	---	---	---	1947
1948	---	---	2.93	5.07	0.541	0.003	---	---	---	---	---	---	---	1948
1949	---	---	0.445	0.088	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.596	0.717	0.015	0	---	---	---	---	---	---	---	1950
1951	---	---	4.32	5.07	0.901	0.404	---	---	---	---	---	---	---	1951
1952	---	---	3.84	8.59	0.363	0.020	---	---	---	---	---	---	---	1952
1953	---	---	2.31	2.40	1.56	5.14	---	---	---	---	---	---	---	1953
1954	---	0.005	0.012	1.85	0.443	0.565	---	---	---	---	---	---	---	1954
1955	---	---	1.58	10.3	3.92	0.467	---	---	---	---	---	---	---	1955
1956	---	---	2.19	0.842	0.371	0.073	---	---	---	---	---	---	---	1956
1957	---	0.673	1.57	3.40	0.740	0.033	---	---	---	---	---	---	---	1957
1958	---	---	0.644	0.537	0.107	0	---	---	---	---	---	---	---	1958
1959	---	---	1.31	0.393	0.115	0	---	---	---	---	---	---	---	1959
1960	---	---	1.76	0.510	1.10	0.026	0	0	0	0	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	---	1961
1962	---	---	0.548	0.005	0	0	0	0	0	0	---	---	---	1962
1963	---	---	0.271	0.031	0	0.005	0.179	0	0	0	---	---	---	1963
1964	---	---	0.083	0.285	1.67	0.058	0	0	0	0	---	---	---	1964
1965	---	---	0.410	3.93	0.202	1.03	1.14	0.003	0.028	0.091	---	---	---	1965
1966	---	---	2.42	0.688	0.070	0.541	0.142	0.024	0	0.003	---	---	---	1966
1967	---	---	3.36	2.30	6.67	0.239	0.003	0.009	0.007	0	---	---	---	1967
1968	---	---	0.237	0.137	0.117	0.001	0.065	0	0	0	---	---	---	1968
1969	---	---	2.43	1.12	0.050	0.001	0.001	0	0.002	0	---	---	---	1969
1970	---	---	0.374	1.06	0.329	0.261	0.114	0	0	0	---	---	---	1970
1971	---	2.69	0.555	1.90	0.234	0.348	0.031	0	0	0	---	---	0.616	1971
1972	---	---	2.04	0.076	0.070	0.003	0	0	0.001	0	---	---	---	1972
1973	---	0.030	0.203	0.113	0.025	0.582	0	0	0	0	---	---	0.105	1973
1974	---	---	1.42	0.512	0.547	0.119	0	0	0	0	---	---	---	1974
1975	---	---	0	2.05	5.32	1.80	0.078	0.006	0	0	---	---	---	1975
1976	---	---	0.620	0.608	0.155	0.211	0.034	0	0	0	---	---	---	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	---	1977
1978	---	---	1.10	0.327	0.147	0.057	0	0	0	0	---	---	---	1978
1979	---	---	2.74	1.57	0.693	0.072	0.004	0	0.006	0	---	---	---	1979
1980	---	---	0.042	0.037	0	0	0	0	0	0	---	---	---	1980
1981	---	0.140	0	0	0	0.088	0	0	0	0	---	---	---	1981
1982	---	0.178	0.780	1.66	0.289	1.74	0.118	0	0	0	---	---	0.024	1982
1983	---	0.171	0.129	0.133	0.552	0.036	0.046	0	0	0	---	---	0.547	1983
1984	---	0	0.006	0.016	0	0	0	0	0	0	---	---	0.118	1984
													0.002	
1985	---	0	0.509	1.57	0.872	0.066	0	0	0	0	---	---	---	1985
1986	0.011	0.359	0.283	0.003	1.08	0.074	0	0	1.06	0.580	---	---	0.336	1986
1987	---	0.459	0.641	0.712	0.023	0.002	0	0	0	0	---	---	0.381	1987
1988	---	0	0.142	0.138	0	0	0	0	0	0	---	---	0.201	1988
1989	---	0	0.066	0.065	0	0	0	0	0	0	---	---	0.031	1989
													0.017	
1990	---	0	0.117	0.098	0.088	0.005	0	0	0	0	---	---	0.035	1990
MEAN	0.011	0.362	1.24	1.54	0.597	0.337	0.123	0.025	0.039	0.028	---	---	0.310	MEAN

LOCATION - LAT 49 58 27 N DRAINAGE AREA, 647 km²
LONG 110 22 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930, 1957, 1963 AND 1971

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---		---	1910
1911	---	5.01 ON MAR 19	0 ON JUL 31 *	---	1911
1912	---	---	0 ON MAR 05	---	1912
1913	---	8.61 ON APR 04	---	---	1913
1914	---	9.37 ON APR 01	0 ON JUL 12	---	1914
			0 ON JUN 01	---	
1915	---	8.83 ON MAR 18	0 ON MAR 11	---	1915
1916	---	21.1 ON MAR 11	0.059 ON SEP 24	---	1916
1917	---	20.7 ON APR 09	0 ON JUL 03	---	1917
1918	---	23.9 ON MAR 23	0 ON JUL 07	---	1918
1919	---	2.55 ON APR 19	0 ON MAR 01	---	1919
1920	26.7 AT 12:00 MST ON MAR 22	20.3 ON MAR 22	0 B ON FEB 01	---	1920
1921	27.1 AT 17:20 MST ON APR 14	20.8 ON APR 14	0 B ON FEB 01	12 100	1921
1922	44.2 ON APR 22	29.2 ON APR 21	0 B ON FEB 12	---	1922
1923	14.5 AT 07:15 MST ON JUN 16	12.1 ON JUN 16	0 ON FEB 01	7 580	1923
1924	---	2.21 ON APR 07	0 B ON FEB 01	778	1924
1925	21.2	19.7 ON MAR 29	0 B ON FEB 01	15 000	1925
1926	--- ON MAR 29	3.62 ON APR 11	0 B ON FEB 01	3 090	1926
1927	---	22.7 E ON MAY 30	0 B ON FEB 01	25 400	1927
1928	19.4 B AT 17:15 MST ON MAR 20	18.6 B ON MAR 20	0 B ON FEB 01	14 100	1928
1929	24.4 B AT 17:50 MST ON MAR 29	20.6 B ON MAR 29	0 B ON FEB 01	11 700	1929
1930	---	16.6 B ON FEB 18	0 B ON FEB 01	6 920	1930
1931	---	---	0 ON FEB 01	---	1931
1935	22.5 E ON APR 17	20.9 E ON APR 13	0 B ON APR 01	---	1935
1936	22.8 B ON MAR 07	---	---	---	1936
1937	---	3.34 ON APR 10	0 B ON MAR 01	---	1937
1938	17.7 AT 07:30 MST ON APR 11	17.4 ON APR 11	0 ON MAR 24	---	1938
1939	---	28.6 ON MAR 20	0 ON MAR 01	---	1939
1940	24.8	21.9 ON APR 22	0 ON JUN 18	---	1940
1941	11.4 B AT 14:00 MST ON MAR 19	10.5 B ON MAR 19	0 B ON FEB 01	---	1941
1942	---	4.53 ON JUN 09	0 ON MAR 01	---	1942
1943	---	29.4 ON MAR 24	0 ON FEB 01	---	1943
1944	---	0.634 ON APR 01	0 ON MAR 01	---	1944
1945	10.5 B AT 12:00 MST ON MAR 11	8.33 B ON MAR 11	0 B ON MAR 01	---	1945
1946	---	7.36 E ON MAR 04	0 ON FEB 01	---	1946
1947	56.6 B AT 09:30 MST ON MAR 18	33.1 B ON MAR 18	0 B ON MAR 01	---	1947
1948	---	36.8 ON APR 17	0 B ON MAR 01	---	1948
1949	---	1.30 B ON MAR 06	0 B ON MAR 01	---	1949
1950	5.15 AT 12:10 MST ON APR 02	4.90 ON APR 02	0 B ON MAR 01	---	1950
1951	66.9 AT 08:15 MST ON MAR 31	41.6 ON MAR 31	0 B ON MAR 01	---	1951
1952	64.3 AT 16:45 MST ON APR 07	52.7 ON APR 07	0 B ON MAR 01	---	1952
1953	72.2 AT 08:00 MST ON JUN 04	45.6 ON JUN 04	0 B ON MAR 01	---	1953
1954	15.0 AT 12:00 MST ON APR 06	9.49 ON APR 06	0 B ON FEB 11	---	1954
1955	91.2 ON APR 09 *	58.5 ON APR 09 *	0 B ON MAR 01	---	1955
1956	20.9 B AT 17:00 MST ON MAR 20	20.3 B ON MAR 20	0 B ON MAR 01	---	1956
1957	10.1 AT 07:00 MST ON APR 19	8.33 B ON FEB 28	0 B ON FEB 01	---	1957
1958	5.65 AT 17:00 MST ON MAR 31	4.93 ON MAR 31	0 ON MAR 01	---	1958
1959	7.67 B AT 10:00 MST ON MAR 18	5.41 B ON MAR 18	0 E ON MAY 27	---	1959
1960	---	15.7 B ON MAR 19	0 B ON MAR 01	---	1960
1961	---	0 ON MAR 01	0 ON MAR 01	---	1961
1962	5.64 B AT 08:00 MST ON MAR 20	3.60 B ON MAR 21	0 B ON MAR 01	---	1962
1963	---	7.99 ON FEB 07	0 ON APR 17	---	1963
1964	---	16.4 ON MAY 08	0 ON MAR 01	---	1964
1965	---	15.1 ON JUN 27	0 B ON MAR 12	---	1965
1966	---	15.9 B ON MAR 11	0 B ON MAR 01	---	1966
1967	---	36.2 ON MAY 08	0 B ON MAR 11	---	1967
1968	1.44 AT 04:30 MST ON MAR 07	0.985 ON MAR 07	0 ON FEB 28	---	1968
1969	19.5 AT 20:53 MST ON MAR 19	16.4 ON MAR 19	0 ON MAR 01	---	1969
1970	10.3 AT 10:30 MST ON APR 08	7.50 ON APR 08	0 B ON FEB 23	---	1970
1971	---	25.4 B ON FEB 15	0 B ON FEB 01	14 500	1971
1972	17.4 AT 14:00 MST ON MAR 12	10.6 ON MAR 12	0 B ON MAR 01	---	1972
1973	4.08 AT 16:15 MST ON JUN 19	3.77 ON JUN 19	0 B ON FEB 01	2 480	1973
1974	17.5 B AT 12:30 MST ON MAR 29	13.9 B ON MAR 29	0 B ON FEB 27	---	1974
1975	30.6 AT 15:30 MST ON MAY 07	21.0 ON MAY 07	0 B ON MAR 01	---	1975
1976	---	5.07 B ON MAR 19	0 B ON MAR 01	---	1976
1977	---	0.068 ON APR 06	0 ON FEB 22	---	1977
1978	---	3.65 B ON MAR 08	0 B ON MAR 01	---	1978
1979	---	18.3 B ON MAR 08	0 B ON FEB 27	---	1979
1980	0.280 AT 09:30 MST ON APR 07	0.234 ON APR 07	0 B ON MAR 01	---	1980
1981	1.38 AT 20:00 MST ON JUN 15	1.07 A ON FEB 18	0 E ON FEB 01	567	1981
1982	12.5 AT 01:05 MST ON APR 14	10.8 ON JUN 03	0 B ON FEB 01	12 900	1982
1983	---	2.00 B ON FEB 14	0 B ON FEB 01	2 790	1983
1984	0.046 AT 21:18 MST ON MAR 31	0.043 ON APR 11	0 B ON FEB 01	58.3	1984
1985	---	7.31 ON APR 03	0 B ON FEB 01	7 930	1985
1986	13.6 AT 03:23 MST ON SEP 27	12.7 ON SEP 27	0 B ON FEB 01	9 000	1986
1987	3.91 AT 13:19 MST ON MAR 07	3.58 B ON MAR 07	0 ON JUN 18	4 740	1987
1988	1.18 AT 13:55 MST ON MAR 22	1.09 ON MAR 23	0 ON FEB 01	740	1988
1989	0.868B AT 12:10 MST ON MAR 12	0.705B ON MAR 12	0 B ON FEB 01	398	1989
1990	0.965 AT 15:30 MST ON MAR 31	0.876 ON MAR 31	0 B ON FEB 01	814	1990
				7 310	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR PASHLEY - STATION NO. 05AH032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.007	0.015	0.012	0.009	0.010	---	---	---	1920
1921	---	---	0.809	2.11	0.159	0.012	0.010	0.007	0.013	0.014	---	---	---	1921
1922	---	---	1.32	6.34	1.63	0.027	0.016	0.015	0.015	0.016	---	---	---	1922
MEAN	---	---	1.06	4.23	0.895	0.015	0.014	0.011	0.012	0.013	---	---	---	MEAN

LOCATION - LAT 49 59 03 N
LONG 110 28 10 W
DRAINAGE AREA, 795 km^2
REGULATED

ROSS CREEK NEAR PASHLEY - STATION NO. 05AE032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	---	9.12 ON APR 16	0 ON APR 10 *	---	1921
1922	---	20.8 ON APR 23 *	---	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RUSH LAKE DRAIN NEAR NEW DAYTON - STATION NO. 05AF031

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0	0.022	0.233	0.047	0.014	0.016	0.010	0.017	0.004	---	---	0.045	1982
1983	---	---	0.030	0.021	0.011	0	0.002	0.002	0	0.011	---	---	0.010	1983
1984	---	---	0.014	0.003	0.002	0.001	0	0.001	0.002	0.007	---	---	0.004	1984
1985	---	---	0.004	0.015	0.057	0.256	0.668	0.436	0.070	0.015	---	---	0.192	1985
1986	---	---	0.167	0.030	0.064	0.056	0.150	0.131	0.108	0.121	---	---	0.104	1986
1987	---	---	0.096	0.241	0.119	0.021	0.049	0.078	0.042	0.042	---	---	0.092	1987
1988	---	---	0.030	0.066	0.115	0.046	0.041	0.020	0.029	0.004	---	---	0.044	1988
1989	---	---	0.213	0.074	0.026	0.534	0.059	0.002	0.009	0.018	---	---	0.116	1989
1990	---	---	0.206	0.210	0.202	0.026	0.149	0.044	0.017	0.015	---	---	0.109	1990
MEAN	---	0	0.087	0.099	0.071	0.113	0.126	0.080	0.033	0.026	---	---	0.080	MEAN

LOCATION - LAT 49 25 57 N LONG 112 10 40 W DRAINAGE AREA, 698 km^2 REGULATED

RUSH LAKE DRAIN NEAR NEW DAYTON - STATION NO. 05AF031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	0.951 AT 19:20 MST ON APR 16	0.837 ON APR 17	0 B ON MAR 01 *	950	1982
1983	0.268B AT 09:15 MST ON MAR 13	0.078 ON MAR 14	0 ON MAY 28	203	1983
1984	0.049 AT 21:05 MST ON MAR 21	0.034 ON MAR 23	0 ON APR 17	74.9	1984
1985	1.42 AT 21:15 MST ON JUN 21	1.22 ON AUG 06	0 B ON MAR 06	4 070	1985
1986	1.79 AT 11:15 MST ON FEB 28	1.20 ON MAR 01	0 ON MAY 30	2 200	1986
1987	1.62 AT 01:25 MST ON APR 06	0.987 ON APR 06	0.004 ON JUL 17	1 940	1987
1988	0.863 AT 16:00 MST ON APR 15	0.521 ON APR 15	0 ON JUL 24	929	1988
1989	5.80 AT 08:35 MST ON JUN 11 *	4.72 ON JUN 13 *	0 B ON MAR 01	2 450	1989
1990	---	0.737 ON MAY 03	0 ON AUG 04	2 310	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 680	MEAN

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.166	0	0	0	0.022	0	0	---	---	---	1982
1983	---	---	---	0.088	0	0.033	0.126	0	0	0	---	---	---	1983
1984	---	---	---	0	0.005	0	0	0	0	0	---	---	---	1984
1985	---	---	---	0.018	0	0	0	0	0	0.003	---	---	---	1985
1986	---	---	---	0.012	0.009	0	0	0	0	0	---	---	---	1986
1987	---	---	---	0.070	0	0	0	0	0	0	---	---	---	1987
1988	---	---	---	0.001	0	0	0.013	0	0	0	---	---	---	1988
1989	---	---	---	0.025	0	0	0	0.009	0.008	0.013	---	---	---	1989
1990	---	---	---	0.023	0.001	0.465	0	0	0	0	---	---	---	1990
MEAN	---	---	---	0.045	0.002	0.055	0.015	0.003	0.001	0.002	---	---	---	MEAN

LOCATION - LAT 55 45 00 N LONG 118 35 00 W NATURAL FLOW

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	2.36 AT 00:07 MST ON APR 27	---	---	---	1982
1983	1.38 AT 22:03 MST ON APR 13	---	---	---	1983
1984	0.135 AT 16:52 MST ON MAY 21	0.070 ON MAY 21	0B ON MAR 01 *	---	1984
1985	0.245 AT 17:02 MST ON APR 01	0.186 ON APR 01	0 ON APR 18	---	1985
1986	1.57 AT 15:30 MST ON MAR 01	---	---	---	1986
1987	1.31 B AT 19:03 MST ON APR 02	0.619B ON APR 02	0 ON APR 17	---	1987
1988	0.104 AT 07:39 MST ON JUL 13	0.069 ON JUL 13	0B ON MAR 28	---	1988
1989	0.396 AT 17:03 MST ON APR 12	0.220 ON APR 12	0B ON APR 01	---	1989
1990	7.58 AT 19:24 MST ON JUN 12 *	5.20 ON JUN 13 *	0 ON APR 21	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.040	0.554	16.7	0.679	0.015	0.001	0	0	---	---	2.27	1967
1968	---	---	1.93	1.38	2.55	9.39	0.135	0.048	0.016	0.027	---	---	1.92	1968
1969	---	---	0.005	10.5	2.48	0.127	0.053	0.003	0.563	0.222	---	---	1.72	1969
1970	---	---	0.998	5.23	2.45	0.383	0.007	0	0	0	---	---	1.17	1970
1971	---	---	0	2.16	0.421	8.29	5.41	0.052	0.001	0.006	---	---	2.05	1971
1972	---	---	1.27	7.48	5.67	0.537	0.647	0.240	0.280	1.61	---	---	2.22	1972
1973	---	---	0.118	14.7	3.05	1.27	0.031	0.191	0.119	0.309	---	---	2.43	1973
1974	---	---	0.009	19.1	11.2	0.498	0.270	0.018	0.052	0.058	---	---	3.86	1974
1975	---	---	0.006	3.25	1.84	0.424	0.113	0.001	0	0	---	---	0.698	1975
1976	---	---	0.506	3.79	1.46	4.08	0.639	8.21	0.463	0.336	---	---	2.39	1976
1977	---	---	0.492	6.25	10.0	2.36	0.862	0.071	0.041	0.309	---	---	2.52	1977
1978	---	---	0.588	3.16	2.86	0.604	0.022	0	0.010	0.019	---	---	0.904	1978
1979	---	---	0.010	4.22	6.98	1.66	1.19	0.006	0.001	0	---	---	1.76	1979
1980	---	---	0.040	0.462	0.106	0.364	0.028	0	0.063	0.014	---	---	0.133	1980
1981	---	---	1.00	2.03	2.30	0.732	0.016	0	0	0	---	---	0.758	1981
1982	---	---	0	1.68	2.78	0.229	0.016	1.25	0.005	0.006	---	---	0.747	1982
1983	---	---	0	2.09	1.28	2.26	8.05	0.058	0.002	0.007	---	---	1.72	1983
1984	---	---	0.557	0.315	3.11	2.90	0.410	0.004	0.013	0.144	---	---	0.929	1984
1985	---	---	1.33	2.56	0.538	0.027	0.016	0	0.002	0.098	---	---	0.568	1985
1986	---	---	0.686	2.68	6.00	0.070	0.011	0.003	0.002	0.004	---	---	1.18	1986
1987	---	---	0.357	2.18	0.289	0.725	0.009	0.175	0.278	0.002	---	---	0.495	1987
1988	---	---	0.139	0.217	0.067	0.861	0.671	0.001	0	0	---	---	0.246	1988
1989	---	---	0	0.823	0.602	0.119	0.084	1.90	0.252	0.511	---	---	0.538	1989
1990	---	---	1.26	4.50	3.16	22.7	0.193	0.032	0.040	0.007	---	---	3.92	1990
MEAN	---	---	0.452	4.23	3.66	2.55	0.788	0.511	0.092	0.154	---	---	1.54	MEAN

LOCATION - LAT 55 38 39 N
LONG 118 41 51 W
DRAINAGE AREA, 538 km²
NATURAL FLOW

REMARKS - JUNE 1968 DAILY DISCHARGES REVISED IN 1990.

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	80.1 AT 05:00 MST ON MAY 06	54.8 ON MAY 06	0 ON AUG 10 *	48 100	1967
1968	439 AT 05:00 MST ON JUN 13	150 ON JUN 13	0.002A ON OCT 03	40 600	1968
1969	57.2 B AT 23:00 MST ON APR 11	43.6 ON APR 29	0 E ON AUG 16	36 300	1969
1970	10.2 AT 10:00 MST ON APR 23	9.46 ON APR 23	0 ON JUL 30	23 800	1970
1971	78.4 AT 22:00 MST ON JUL 11	56.4 ON JUL 11	0 B ON MAR 01	42 900	1971
1972	61.4 AT 09:00 MST ON APR 29	43.3 ON APR 29	0.001B ON MAR 01	47 000	1972
1973	37.6 AT 01:30 MST ON APR 11	27.6 ON APR 11	0 A ON AUG 07	51 500	1973
1974	80.1 AT 09:30 MST ON APR 26	60.9 ON APR 26	0.004B ON MAR 01	81 800	1974
1975	22.5 B AT 02:30 MST ON APR 19	13.1 B ON APR 19	0 ON AUG 09	14 800	1975
1976	60.9 AT 23:00 MST ON AUG 17	47.6 ON AUG 17	0.006B ON MAR 01	50 600	1976
1977	86.1 A AT 17:00 MST ON MAY 12	48.4 ON MAY 06	0.015A ON SEP 21	53 300	1977
1978	18.4 AT 12:00 MST ON APR 29	15.7 ON APR 29	0 ON AUG 06	19 100	1978
1979	54.3 AT 23:30 MST ON APR 27	30.0 ON APR 28	0 B ON MAR 01	37 200	1979
1980	8.22 AT 16:00 MST ON JUN 18	2.27 ON JUN 19	0 B ON MAR 01	2 810	1980
1981	7.31 AT 16:25 MST ON APR 29	6.20 ON APR 30	0 ON AUG 06	16 100	1981
1982	26.1 AT 02:00 MST ON APR 27	14.1 ON APR 27	0 B ON MAR 01	15 800	1982
1983	37.3 AT 11:30 MST ON JUL 07	20.8 ON JUL 07	0 B ON MAR 01	36 500	1983
1984	34.5 AT 04:00 MST ON JUN 08	27.9 ON JUN 08	0 B ON MAR 01	19 700	1984
1985	8.48B AT 13:00 MST ON APR 02	6.96 ON APR 14	0 B ON MAR 01	12 000	1985
1986	26.1 A AT 11:30 MST ON MAY 05	21.7 A ON MAY 05	0 ON JUL 05	25 100	1986
1987	---	17.0 B ON APR 01	0 B ON MAR 01	10 500	1987
1988	9.38 AT 04:00 MST ON JUN 07	6.04 ON JUN 07	0 B ON MAR 01	5 200	1988
1989	35.1 AT 15:00 MST ON AUG 23	20.4 ON AUG 23	0 B ON MAR 01	11 400	1989
1990	447 AT 00:00 MST ON JUN 12 *	352 A ON JUN 12 *	0 ON JUL 29	83 100	1990
				32 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.004	0	0	0.058	0	0.292	0.077	---	---	---	1911
1912	---	---	---	0.971	0.010	0.010	---	---	---	---	---	---	---	1912
1913	---	---	---	0.630	0.001	0	---	---	---	---	---	---	---	1913
1916	---	---	---	0.165	0.101	0.521	0.515	0.253	0.194	0.031	---	---	---	1916
1917	---	---	---	1.04	0.520	0.018	---	---	---	---	---	---	---	1917
1918	---	---	---	1.26	0.025	0	---	---	---	---	---	---	---	1918
1919	---	---	0	0.186	0.003	0	0	0	---	---	---	---	---	1919
1920	---	---	0.081	0.642	0.328	0.119	0.001	---	---	---	---	---	---	1920
1921	---	---	0.219	0.575	0.179	0.044	---	---	---	---	---	---	---	1921
1922	---	---	---	0.619	0.284	0.016	0.103	---	---	---	---	---	---	1922
1923	---	---	---	0.312	0.009	0.266	0.199	0.001	0	0	---	---	---	1923
1924	---	---	0	0	0	0.002	0	0.009	0	0	---	---	---	1924
1926	---	---	0.453	0.001	0	0	0	---	0.096	---	---	---	---	1926
1927	---	---	0.159	0.722	0.821	0.127	0.008	0.032	0	0	---	---	---	1927
1928	---	---	0.110	0.814	0.151	0	0	0.084	0	0	---	---	---	1928
1935	---	---	---	---	0	---	---	---	0	---	---	---	---	1935
1936	---	---	0	0.144	0	0	---	---	---	---	---	---	---	1936
1937	---	---	0	0.343	0.001	---	---	---	---	---	---	---	---	1937
MEAN	---	---	0.113	0.468	0.151	0.070	0.088	0.054	0.073	0.018	---	---	---	MEAN

LOCATION - LAT 49 00 51 N DRAINAGE AREA, 568 km²
LONG 110 12 00 W REGULATED

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON MAR 31 *	---	1910
1911	---	---	0 ON APR 06	---	1911
1912	---	2.40 ON APR 07	0 ON MAY 12	---	1912
1913	---	---	0 ON MAY 05	---	1913
1916	---	1.90 ON JUL 04	0 ON MAY 07	---	1916
1917	---	2.83 ON APR 14	0 ON APR 01	---	1917
1918	---	3.06 ON APR 01 *	0 ON MAY 11	---	1918
1919	---	0.821 ON APR 22	0 ON MAR 01	---	1919
1920	---	1.44 ON APR 16	0 ON MAR 01	---	1920
1921	---	1.42 B ON MAR 11	0B ON MAR 01	---	1921
1922	---	1.59 ON APR 27	0 ON APR 01	---	1922
1923	---	1.87 ON JUN 23	0 ON APR 10	---	1923
1924	---	0.085E ON AUG 18	0 ON MAR 01	---	1924
1926	---	1.44 B ON MAR 02	0B ON APR 07	---	1926
1927	---	2.44 ON MAY 30	0B ON MAR 01	---	1927
1928	---	1.84 ON APR 03	0B ON MAR 01	---	1928
1935	---	---	0 ON MAY 01	---	1935
1936	---	1.18 ON APR 13	0 ON MAR 01	---	1936
1937	---	1.34 ON APR 13	0 ON MAR 01	---	1937
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SAGE CREEK AT Q RANCH NEAR WILDHORSE - STATION NO. 11AA026

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	1.06	1.56	0	0	0.060	0	0	0	---	---	0.333	1935
1936	---	---	0	1.18	0.001	0	0	0	0	0	---	---	0.145	1936
1937	---	---	0	2.18	0.027	0	0	0	0	0	---	---	0.270	1937
1938	---	---	1.62	0.940	0.116	0.104	0.374	0	0.507	0	---	---	0.466	1938
1939	---	---	3.10	0.119	0	0.354	0.018	0	0	0	---	---	0.452	1939
1940	---	---	0.065	5.70	0.303	0.066	0.048	0	0	0	---	---	0.759	1940
1941	---	---	2.48	0.035	0	0.097	0.219	0	0	0	---	---	0.350	1941
1942	---	---	0.137	0.604	0	1.64	0.137	0	0	0	---	---	0.310	1942
1943	---	---	6.81	0.567	0	0	0	0	0	0	---	---	0.931	1943
1944	---	---	0.005	0.075	0	0.015	0.321	0	0	0	---	---	0.052	1944
1945	---	---	0.740	0.021	0	0	0	0	0	0	---	---	0.096	1945
1946	---	---	1.61	0.050	0	0.057	0	0	0	0	---	---	0.220	1946
1947	---	---	2.35	2.13	0.018	0	0	0	0	0	---	---	0.597	1947
1948	---	---	0.329	1.58	0.412	0	0	0.234	0.054	0	---	---	0.532	1948
1949	---	---	0.064	0.261	0	0	0	0	0	0	---	---	0.040	1949
1950	---	---	0	2.25	0	0.057	0	0	0	0	---	---	0.280	1950
1951	---	---	0	4.47	1.36	0.106	0.001	0.597	0.327	0	---	---	0.849	1951
1952	---	---	0	11.0	0.307	0.002	0	0	0	0	0	---	1.39	1952
1953	---	---	0.218	0.694	0.782	0.944	0.002	0	0	0	---	---	0.327	1953
1954	---	---	0	0.800	0	0.168	0.007	0.161	0.099	0.028	---	---	0.155	1954
1955	---	---	0.452	6.41	1.86	0.039	1.84	0.011	0	0	---	---	1.32	1955
1956	---	---	0.218	1.77	0.014	0.138	0.781	0.021	0	0	---	---	0.305	1956
1957	---	---	0.596	4.15	0.043	0.019	0	0	0	0	---	---	0.371	1957
1958	---	---	0.598	6.77	0.004	0	0	0	0	0	---	---	0.905	1958
1959	---	---	2.40	0.657	0.001	0	0	0	0	0	---	---	0.385	1959
1960	---	---	3.40	0.183	0.687	0.004	0	0	0	0	---	---	0.540	1960
1961	---	---	0.140	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0.847	0.293	0	0.192	0	0	0	0	---	---	0.166	1962
1963	---	0.985	0.713	0.150	0	0	0.808	0	0	0	---	---	0.211	1963
1964	---	---	0.260	0.837	0.139	0	0	0	0	0	---	---	0.154	1964
1965	---	---	0	4.78	0.415	3.59	0.692	0.001	0.182	0	---	---	1.19	1965
1966	---	---	2.12	0.299	0.002	0.167	0.068	0	0	0	---	---	0.334	1966
1967	---	---	0.040	7.05	3.67	0.044	0.001	0	0	0	---	---	1.34	1967
1968	---	---	0.098	0.001	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	4.38	0.005	0	0	0	0	0	---	---	0.537	1969
1970	---	---	0	1.16	0.034	0.341	0.060	0	0	0	---	---	0.196	1970
1971	---	---	0	2.38	0.031	0.070	0	0	0	0	---	---	0.304	1971
1972	---	---	2.29	0.037	0	0	0	0	0	0	---	---	0.294	1972
1973	---	---	0.141	0	0	0.073	0	0	0	0	---	---	0.027	1973
1974	---	---	0.099	1.41	0.497	0.004	0	0	0	0	---	---	0.249	1974
1975	---	---	0	2.71	1.39	1.07	0.008	0	0	0	---	---	0.639	1975
1976	---	---	2.17	0.217	0.001	0.279	0.006	0	0	0	---	---	0.337	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.195	4.13	0.364	0.003	0.194	0	0.244	0	---	---	0.631	1978
1979	---	---	2.99	1.99	0.438	0.067	0	0	0	0	---	---	0.686	1979
1980	---	---	0.404	0.082	0	0	0	0	0	0	---	---	0.061	1980
1981	---	---	0.016	0	0.129	0	0.009	0	0	0	---	---	0.020	1981
1982	---	---	0	1.93	0.586	0.348	0	0	0	0	---	---	0.599	1982
1983	---	---	0.288	0	0.010	0	0.185	0	0	0	---	---	0.061	1983
1984	---	---	0.224	0.027	0	0	0	0	0	0	---	---	0.032	1984
1985	---	---	0.995	0.578	0.092	0	0	0	0.160	0.001	---	---	0.228	1985
1986	---	---	1.04	0.014	0.411	0.060	0.011	0	3.48	0.226	---	---	0.648	1986
1987	---	---	1.78	0.463	0.009	0	0	0	0	0	---	---	0.283	1987
1988	---	---	0.027	0.056	0	0	0	0	0	0	---	---	0.010	1988
1989	---	---	0.348	0.291	0	0.035	0	0	0	0	---	---	0.084	1989
1990	---	---	2.71	0.113	0.352	0.016	0	0	0	0	---	---	0.403	1990
MEAN	---	0.985	0.861	1.66	0.259	0.182	0.104	0.018	0.092	0.005	0	---	0.395	MEAN

LOCATION - LAT 49 06 29 N DRAINAGE AREA, 456 km²
LONG 110 13 23 W NATURAL FLOW

SAGE CREEK AT Q RANCH NEAR WILDHORSE - STATION NO. 11AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	5.66 B ON MAR 14	0B ON MAR 01 *	7 050	1935
1936	12.9 E ON APR 11	4.30 E ON APR 09	0 ON MAR 01	3 060	1936
1937	99.1 E ON APR 11 *	23.2 E ON APR 11	0 ON MAR 01	5 710	1937
1938	80.4 E ON MAR 27	23.3 E ON MAR 27	0 ON MAR 01	9 870	1938
1939	49.8 E ON MAR 22	10.3 E ON MAR 18	0 ON MAR 01	9 580	1939
1940	38.8 ON APR 21	28.3 ON APR 19	0 ON MAR 01	16 100	1940
1941	23.4 B AT 17:30 MST ON MAR 20	20.4 B ON MAR 20	0B ON MAR 01	7 570	1941
1942	---	5.92 ON JUN 06	0 ON MAR 01	6 560	1942
1943	83.5 E ON MAR 29	76.7 E ON MAR 29 *	0 ON MAR 01	19 700	1943
1944	---	0.906E ON JUL 05	0 ON MAR 01	1 110	1944
1945	---	1.35 E ON MAR 15	0 ON MAR 01	2 040	1945
1946	7.53 AT 17:00 MST ON MAR 12	6.51 ON MAR 13	0 ON MAR 01	4 650	1946
1947	16.1 B AT 15:30 MST ON MAR 29	12.4 B ON APR 01	0 ON MAR 01	12 600	1947
1948	19.5 AT 15:30 MST ON APR 17	16.2 ON APR 17	0B ON MAR 01	11 300	1948
1949	1.56 AT 16:30 MST ON APR 02	1.31 ON APR 02	0 ON MAR 01	846	1949
1950	9.68 AT 13:00 MST ON APR 13	8.33 ON APR 13	0 ON MAR 01	5 990	1950
1951	21.3 B ON APR 05	17.5 B ON APR 05	0 ON MAR 01	18 000	1951
1952	51.0 AT 08:00 MST ON APR 14	41.6 ON APR 14	0B ON MAR 01	29 300	1952
1953	10.2 AT 22:00 MST ON JUN 03	11.6 ON JUN 03	0 ON MAR 01	6 930	1953
1954	7.62 AT 08:00 MST ON AUG 28	4.90 ON APR 07	0 ON MAR 01	3 290	1954
1955	52.1 AT 18:00 MST ON APR 19	35.4 ON APR 19	0 ON MAR 01	27 900	1955
1956	9.97 AT 06:00 MST ON JUL 07	7.19 ON JUL 07	0 ON MAR 01	6 460	1956
1957	15.1 AT 05:00 MST ON APR 01	12.3 ON APR 01	0 ON MAR 01	7 850	1957
1958	49.0 B AT 05:00 MST ON APR 05	43.5 E ON APR 05	0B ON MAR 01	19 200	1958
1959	11.9 AT 12:00 MST ON MAR 27	9.97 ON MAR 27	0 ON MAR 01	8 140	1959
1960	17.9 AT 04:00 MST ON MAR 21	15.2 ON MAR 21	0 ON MAR 01	11 400	1960
1961	0.640 AT 21:30 MST ON MAR 18	0.484 ON MAR 18	0B ON MAR 12	376	1961
1962	8.55 B AT 23:00 MST ON MAR 27	6.68 B ON MAR 27	0B ON MAR 01	3 520	1962
1963	20.4 AT 07:00 MST ON JUL 05	13.6 ON JUL 05	0 ON APR 23	4 460	1963
1964	5.01 B AT 11:00 MST ON MAR 19	4.30 B ON MAR 19	0B ON MAR 01	3 260	1964
1965	41.3 AT 05:00 MST ON JUN 26	38.2 ON JUN 26	0B ON MAR 01	25 100	1965
1966	11.3 B ON MAR 17	8.72 B ON MAR 17	0B ON MAR 01	7 070	1966
1967	27.0 AT 23:00 MST ON APR 11	24.0 ON APR 11	0B ON MAR 01	28 300	1967
1968	1.10 AT 16:00 MST ON MAR 03	0.544 ON MAR 03	0 ON MAR 01	267	1968
1969	32.6 AT 17:00 MST ON APR 04	26.3 ON APR 04	0 ON MAR 01	11 400	1969
1970	11.4 AT 01:08 MST ON APR 08	8.13 ON APR 07	0 ON MAR 01	4 140	1970
1971	10.2 B AT 16:30 MST ON APR 07	8.83 B ON APR 07	0B ON MAR 01	6 430	1971
1972	16.4 AT 08:30 MST ON MAR 17	15.2 ON MAR 17	0B ON MAR 01	6 220	1972
1973	2.65 AT 18:00 MST ON JUN 19	1.23 ON JUN 19	0B ON MAR 01	566	1973
1974	5.04 AT 22:45 MST ON MAY 22	4.36 ON MAY 22	0B ON MAR 01	5 260	1974
1975	23.8 AT 01:30 MST ON JUN 21	16.4 ON MAY 07	0B ON MAR 01	13 500	1975
1976	21.8 B AT 01:00 MST ON MAR 19	18.2 B ON MAR 19	0B ON MAR 01	7 130	1976
1977	---	0 E ON MAR 01	0E ON MAR 01	0	1977
1978	16.3 AT 14:00 MST ON APR 06	15.0 ON APR 06	0 ON MAR 01	13 400	1978
1979	---	10.6 B ON MAR 18	0B ON MAR 01	14 500	1979
1980	---	1.51 B ON MAR 20	0B ON MAR 01	1 290	1980
1981	3.71 AT 06:35 MST ON MAY 18	2.88 ON MAY 18	0 ON MAR 15	415	1981
1982	16.3 AT 20:20 MST ON APR 14	14.2 ON APR 15	0B ON MAR 01	12 700	1982
1983	3.94 AT 16:10 MST ON JUL 22	2.64 ON MAR 12	0 ON MAR 28	1 290	1983
1984	2.46 AT 13:40 MST ON MAR 22	1.67 ON MAR 22	0 ON MAR 01	671	1984
1985	5.19 AT 10:35 MST ON MAR 18	4.77 ON MAR 18	0 ON MAR 01	4 830	1985
1986	74.2 AT 01:30 MST ON SEP 26	51.8 ON SEP 26	0 ON APR 10	13 700	1986
1987	12.6 B AT 03:26 MST ON MAR 06	10.6 E ON MAR 06	0 ON MAY 21	6 000	1987
1988	0.639 AT 05:40 MST ON APR 06	0.515 ON APR 06	0 ON MAR 01	216	1988
1989	3.61 AT 16:10 MST ON MAR 29	2.81 ON MAR 30	0B ON MAR 01	1 780	1989
1990	10.9 B AT 22:35 MST ON MAR 05	9.96 B ON MAR 05	0 ON APR 25	8 540	1990
				8 370	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.183	0.033	0	0	0	0	0	0	---	---	0.027	1946
1947	---	---	0	0.100	0.017	0	0	0.010	0.014	0.001	---	---	0.017	1947
1948	---	---	0.032	0.361	0.326	0	0	0	0	0	---	---	0.090	1948
1949	---	---	0	0.053	0	0	0	0	0	0	---	---	0.007	1949
1950	---	---	0	0.129	0	0	0.005	0	0	0	---	---	0.016	1950
1951	---	---	0	0.119	0.148	0.100	0.014	0	0.446	0	---	---	0.102	1951
1952	---	---	0	0.142	0.161	0.002	0	0	0	0	---	---	0.038	1952
1953	---	---	0.034	0.112	0.347	0.396	0.001	0.002	0	0	---	---	0.111	1953
1954	---	---	0	0.166	0	0.074	0.015	0.039	0.115	0.047	---	---	0.056	1954
1955	---	---	0	0.189	0.576	0.114	0.374	0.010	0	0	---	---	0.159	1955
1956	---	---	0	0.270	0.066	0.024	0.269	0.007	0	0	---	---	0.072	1956
1957	---	---	0.147	0.423	0.051	0.012	0	0	0	0	---	---	0.078	1957
1958	---	---	0.036	0.603	0.005	0.009	0	0	0	0	---	---	0.080	1958
1959	---	---	0.078	0.273	0.002	0	0	0	0	0	---	---	0.044	1959
1960	---	---	0.113	0.021	0.170	0.014	0	0	0	0	---	---	0.040	1960
1961	---	---	0.144	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0	0.166	0.001	0.047	0	0	0	0	---	---	0.026	1962
1963	---	0.218	0.068	0.038	0	0	0.189	0	0	0	---	---	0.037	1963
1964	---	---	0.101	0.270	0.004	0	0	0	0	0	---	---	0.046	1964
1965	---	---	0	0.135	0.200	0.379	0.605	0.015	0.129	0.005	---	---	0.183	1965
1966	---	---	0.349	0.322	0.001	0.104	0.046	0	0	0	---	---	0.102	1966
1967	---	---	0	0.385	0.351	0.056	0	0	0	0	---	---	0.098	1967
1968	---	---	0.080	0.001	0	0	0	0	0	0	---	---	0.010	1968
1969	---	---	0	0.410	0.010	0	0	0	0	0	---	---	0.051	1969
1970	---	---	0	0.086	0.013	0.021	0.001	0	0	0	---	---	0.015	1970
1971	---	---	0	0.166	0.007	0.003	0	0	0	0	---	---	0.022	1971
1972	---	---	0.197	0.021	0	0	0	0	0	0	---	---	0.028	1972
1973	---	---	0.087	0	0	0.008	0	0	0	0	---	---	0.012	1973
1974	---	---	0	0.179	0.204	0.006	0	0	0	0	---	---	0.048	1974
1975	---	---	0	0.295	0.458	0.222	0.036	0	0	0	---	---	0.126	1975
1976	---	---	0.241	0.202	0.001	0.137	0.041	0	0	0	---	---	0.077	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.798	0.343	0.010	0.175	0	0.145	0.005	---	---	0.183	1978
1979	---	---	0	0.590	0.283	0.074	0.002	0	0	0	---	---	0.117	1979
1980	---	---	0.104	0.108	0	0	0	0	0	0	---	---	0.026	1980
1981	---	---	0.019	0.004	0.078	0	0	0	0	0	---	---	0.013	1981
1982	---	---	0	0.287	0.425	0.246	0	0	0	0	---	---	0.119	1982
1983	---	---	0.136	0.001	0	0	0.066	0	0	0	---	---	0.026	1983
MEAN	---	0.218	0.057	0.196	0.110	0.054	0.048	0.002	0.022	0.002	---	---	0.061	MEAN

LOCATION - LAT 49 00 10 N LONG 110 11 30 W DRAINAGE AREA, 591 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.552 ON MAR 23	0 ON MAR 01 *	577	1946
1947	---	0.334 ON APR 16	0 ON MAR 01	369	1947
1948	---	1.08 E ON MAY 01	0 ON MAR 01	1 890	1948
1949	---	0.173 ON APR 07	0 ON MAR 01	138	1949
1950	---	0.623 ON APR 18	0 ON MAR 01	348	1950
1951	---	1.47 ON SEP 03	0 ON MAR 01	2 160	1951
1952	0.872 AT 16:00 MST ON MAY 16	0.722 ON MAY 16	0 ON MAR 01	804	1952
1953	1.03 AT 18:30 MST ON MAY 23	1.02 ON JUN 05	0 ON MAR 01	2 340	1953
1954	0.790 AT 13:00 MST ON APR 08	0.617 ON AUG 31	0 ON MAR 01	1 190	1954
1955	1.40 ON MAY 18	1.39 ON MAY 18	0B ON MAR 01	3 360	1955
1956	---	0.991 ON APR 11	0 ON MAR 01	1 520	1956
1957	---	1.16 ON MAR 28	0 ON MAR 01	1 660	1957
1958	---	1.08 ON APR 01	0 ON MAR 01	1 700	1958
1959	---	0.736 ON APR 07	0 ON MAR 01	922	1959
1960	---	1.08 ON MAY 28	0 ON MAR 01	850	1960
1961	---	0.425 ON MAR 19	0 ON MAR 30	385	1961
1962	---	0.878 ON APR 07	0 ON MAR 01	555	1962
1963	---	0.753 ON JUL 07	0 ON MAY 02	785	1963
1964	1.10 B AT 11:00 MST ON MAR 21	0.906 ON APR 08	0 ON MAR 01	984	1964
1965	1.33 AT 05:00 MST ON APR 29	1.30 ON APR 29	0 ON MAR 01	3 880	1965
1966	1.02 AT 08:30 MST ON APR 02	0.991 ON APR 02	0B ON MAR 01	2 170	1966
1967	1.39 AT 21:00 MST ON APR 11	1.16 ON APR 12	0 ON MAR 01	2 080	1967
1968	0.823 AT 22:30 MST ON MAR 07	0.453 ON MAR 08	0 ON MAR 01	215	1968
1969	1.02 AT 01:00 MST ON APR 09	0.963 ON APR 09	0B ON MAR 01	1 090	1969
1970	0.651 AT 18:30 MST ON APR 07	0.538 ON APR 07	0 ON MAR 01	312	1970
1971	---	0.368B ON APR 13	0B ON MAR 01	457	1971
1972	0.906 AT 12:45 MST ON MAR 20	0.793 ON MAR 20	0 ON MAR 01	582	1972
1973	0.425 AT 13:00 MST ON MAR 13	0.340 ON MAR 10	0 ON MAR 01	253	1973
1974	---	0.765 ON MAY 23	0 ON MAR 01	1 030	1974
1975	---	1.08 ON APR 23	0 ON MAR 01	2 660	1975
1976	1.27 B AT 08:00 MST ON MAR 27	1.08 B ON MAR 26	0B ON MAR 01	1 640	1976
1977	---	0 ON MAR 01	0 ON MAR 01	0	1977
1978	1.87 B AT 08:00 MST ON APR 12 *	1.78 B ON APR 12 *	0B ON MAR 01	3 870	1978
1979	1.27 B AT 16:00 MST ON APR 12	1.22 ON APR 19	0 ON MAR 01	2 490	1979
1980	0.574 AT 21:00 MST ON APR 01	0.481 ON APR 02	0 ON MAR 01	561	1980
1981	1.37 AT 19:00 MDT ON MAY 19	1.09 ON MAY 19	0 ON MAR 21	268	1981
1982	1.42 AT 06:00 MDT ON MAY 31	1.41 ON MAY 31	0B ON MAR 01	2 520	1982
1983	0.698 AT 19:30 MST ON JUL 24	0.727 ON JUL 24	0 ON APR 13	544	1983
				1 290	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	3.17	2.87	---	---	---	1972
1973	---	---	1.05	8.06	17.1	17.9	5.50	8.09	3.47	4.62	---	---	8.21	1973
1974	---	---	0.850	21.5	33.8	5.18	9.28	2.05	2.47	2.25	---	---	9.68	1974
1975	---	---	0.738	4.35	11.0	12.4	10.2	6.06	7.41	2.46	---	---	6.82	1975
1976	---	---	0.820	15.1	8.88	11.4	12.2	17.9	3.28	3.90	---	---	9.65	1976
1977	---	---	1.17	13.8	31.5	14.6	14.7	4.03	3.86	5.73	---	---	10.9	1977
1978	---	---	0.800	7.82	9.20	14.1	7.62	3.12	11.2	5.10	---	---	7.33	1978
1979	---	---	0.870	3.53	31.7	30.7	38.5	4.50	1.95	1.92	---	---	14.2	1979
1980	---	---	0.563	10.8	8.63	13.9	8.84	4.14	6.91	3.42	---	---	7.11	1980
1981	---	---	1.03	8.10	9.73	10.5	4.38	1.79	0.817	1.10	---	---	4.66	1981
1982	---	---	0.558	2.07	19.8	3.07	12.7	10.8	3.03	1.75	---	---	6.77	1982
1983	---	---	0.426	3.52	3.95	17.8	25.9	4.92	2.81	2.54	---	---	7.74	1983
1984	---	---	0.607	5.77	16.7	17.9	4.91	2.79	4.89	2.86	---	---	7.02	1984
1985	---	---	1.30	6.41	16.6	14.1	3.52	2.53	12.2	8.37	---	---	8.09	1985
1986	---	---	0.773	12.2	22.5	9.04	13.9	5.48	3.63	9.27	---	---	9.61	1986
1987	---	---	0.870	4.52	5.53	5.01	2.36	6.04	4.60	2.03	---	---	3.86	1987
1988	---	---	1.75	5.92	5.51	12.5	19.4	3.26	1.81	1.64	---	---	6.47	1988
1989	---	---	0.667	6.10	17.1	6.53	18.4	15.7	4.35	2.40	---	---	8.95	1989
1990	---	---	1.24	7.91	7.42	8.72	5.20	1.88	1.85	2.15	---	---	4.53	1990
MEAN	---	---	0.893	8.19	15.4	12.5	12.1	5.84	4.62	3.39	---	---	7.87	MEAN

LOCATION - LAT 54 12 05 N LONG 115 46 40 W DRAINAGE AREA, 1 140 km² NATURAL FLOW

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	65.4 AT 11:00 MST ON JUN 17	61.7 ON JUN 17	0.850B ON MAR 01	174 000	1973
1974	80.1 AT 11:40 MST ON APR 30	74.2 ON APR 27	0.745B ON APR 10	205 000	1974
1975	101 AT 21:30 MST ON JUN 28	80.4 ON JUN 29	0.694B ON MAR 01	144 000	1975
1976	58.3 AT 18:30 MST ON AUG 18	48.1 ON AUG 27	0.793B ON MAR 01	204 000	1976
1977	101 AT 04:00 MST ON MAY 30	94.6 ON MAY 30	1.12 B ON MAR 10	231 000	1977
1978	87.8 AT 17:15 MST ON JUN 15	77.9 ON JUN 15	0.745B ON MAR 03	155 000	1978
1979	---	145 E ON JUL 13 *	0.424B ON MAR 01	301 000	1979
1980	34.5 AT 23:30 MST ON MAY 28	32.5 ON MAY 29	0.310B ON MAR 05	151 000	1980
1981	50.1 AT 15:00 MST ON JUN 01	43.3 ON JUN 01	0.358 ON AUG 28	98 700	1981
1982	51.6 AT 10:00 MST ON AUG 04	47.9 ON AUG 04	0.330B ON MAR 01	143 000	1982
1983	92.6 AT 16:50 MST ON JUN 26	83.6 ON JUN 26	0.295B ON MAR 22 *	164 000	1983
1984	107 AT 07:05 MST ON JUN 08	99.2 ON JUN 08	0.420B ON MAR 13	149 000	1984
1985	125 AT 09:45 MST ON JUN 25	108 ON JUN 25	0.740B ON MAR 01	171 000	1985
1986	61.6 AT 02:45 MST ON JUL 19	53.2 ON JUL 19	0.600B ON MAR 01	203 000	1986
1987	15.5 AT 02:06 MST ON AUG 22 *	14.0 ON AUG 22	0.838B ON MAR 06	81 700	1987
1988	136 AT 00:42 MST ON JUL 08 *	95.2 ON JUL 07	0.455B ON MAR 04	137 000	1988
1989	73.6 AT 16:23 MST ON JUL 09	65.4 ON JUL 10	0.390B ON MAR 04	189 000	1989
1990	---	24.6 ON JUL 04	0.991B ON MAR 07	95 800	1990
				167 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SALT CREEK NEAR GROUARD - STATION NO. 07BF009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.339	1.64	1.68	0.364	0.856	0.110	0.018	0.133	---	---	0.641	1986
1987	---	---	0.063	1.39	0.192	0.066	0.201	1.71	0.396	0.141	---	---	0.519	1987
1988	---	---	0.089	0.424	0.502	2.44	5.75	0.107	0.067	0.063	---	---	1.18	1988
1989	---	---	0.028	1.50	1.15	0.679	0.811	0.776	0.214	0.406	---	---	0.695	1989
1990	---	---	0.162	2.23	1.63	2.12	0.140	0.014	0.006	0.009	---	---	0.779	1990
MEAN	---	---	0.136	1.44	1.03	1.13	1.55	0.543	0.140	0.150	---	---	0.763	MEAN

LOCATION - LAT 55 36 28 N LONG 116 06 37 W DRAINAGE AREA, 426 km² NATURAL FLOW

SALT CREEK NEAR GROUARD - STATION NO. 07BF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	6.53 AT 07:00 MST ON JUL 17	3.77 ON JUL 17	0.004 ON SEP 03	13 600	1986
1987	7.02 AT 02:30 MST ON AUG 11	6.27 ON AUG 11	0.002 ON JUN 20	11 000	1987
1988	31.7 AT 22:30 MST ON JUL 07 *	28.1 ON JUL 07 *	0.023 ON OCT 08	25 000	1988
1989	6.67 AT 02:30 MST ON MAY 26	4.87 ON MAY 26	0.019B ON MAR 03	14 700	1989
1990	14.4 AT 06:30 MST ON JUN 13	13.2 ON JUN 13	0.001A ON AUG 23 *	16 500	1990
				16 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO. 07NB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	0	0	0	1.46	0.748	0.039	1.75	0.874	1.26	1.83	0.437	0.045	0.708	1973
1974	0.002	0	0	10.5	6.01	1.60	1.54	0.205	0.128	0.178	0.181	0.037	1.70	1974
1975	0.003	0	0	1.97	1.44	0.901	0.122	0.258	1.18	1.10	0.447	0.032	0.620	1975
1976	0.004	0	0.001	9.80	2.10	0.364	0.790	0.567	0.243	0.168	0.073	0.012	1.17	1976
1977	0	0	0	2.58	0.685	7.41	2.44	1.63	1.13	0.860	0.270	0.023	1.41	1977
1978	0.001	0	0	0.578	2.48	0.717	0.111	0.027	0.239	0.425	0.145	0	0.396	1978
1979	0	0	0	0.030	3.50	0.719	0.049	0.011	0.006	0.052	0.031	0.004	0.372	1979
1980	0	0	0	1.01	0.052	0.039	0.265	0.052	0.029	0.027	0.023	0	0.124	1980
MEAN	0.001	0	0	3.49	2.13	1.47	0.883	0.453	0.527	0.580	0.201	0.019	0.813	MEAN

LOCATION - LAT 59 50 00 N LONG 111 58 10 W DRAINAGE AREA, 1 670 km²
NATURAL FLOW

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO. 07NB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	8.95 AT 04:45 MST ON JUL 10	7.70 ON JUL 10	0B ON JAN 01 *	22 300	1973
1974	---	39.4 ON APR 24 *	0B ON JAN 13	53 600	1974
1975	---	5.92B ON APR 21	0B ON JAN 20	19 600	1975
1976	29.7 B AT 17:15 MST ON APR 15	28.3 B ON APR 15	0B ON JAN 19	36 900	1976
1977	36.0 AT 12:00 MST ON JUN 10 *	33.1 ON JUN 10	0B ON JAN 07	44 600	1977
1978	---	7.42B ON MAY 01	0B ON JAN 05	12 500	1978
1979	---	12.5 B ON MAY 11	0B ON JAN 01	11 700	1979
1980	---	4.09 ON APR 15	0B ON JAN 01	3 930	1980
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		25 600	MEAN

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0	0	0	---	---	---	1982
1983	---	0.067	0	0	0	0	0	0	0	0	---	---	0.007	1983
1984	---	0	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	0	0.145	0.001	0	0	0	0	0	0	---	---	0.017	1985
1986	---	0.001	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	0	0	0	0	0	0	0	0	0	---	---	0	1987
1988	---	0	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	0.001	0.008	0	0	0	0	0	0	0	---	---	0.001	1989
1990	---	0.003	0	0	0	0	0	0	0	0	---	---	0	1990
MEAN	---	0.009	0.019	0	0	0	0	0	0	0	---	---	0.003	MEAN

LOCATION - LAT 50 09 48 N LONG 110 15 39 W DRAINAGE AREA, 81.8 km²
NATURAL FLOW

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	0 ON JUL 22 *	---	1982
1983	---	0.480B ON FEB 15	0B ON FEB 01	161	1983
1984	---	0 B ON FEB 01	0B ON FEB 01	0	1984
1985	2.14 AT 10:05 MST ON MAR 19 *	1.37 ON MAR 19 *	0B ON FEB 01	393	1985
1986	0.055B AT 01:17 MST ON FEB 25	0.024B ON FEB 25	0B ON FEB 01	3.02	1986
1987	---	0.005B ON FEB 12	0B ON FEB 01	0.950	1987
1988	---	0 ON FEB 01	0 ON FEB 01	0	1988
1989	---	0.050B ON MAR 10	0B ON FEB 01	22.4	1989
1990	---	0.026B ON FEB 23	0B ON FEB 01	8.38	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		73.6	MEAN

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	2.71	---	---	---	---	1967
1968	---	---	---	---	---	3.47	2.57	4.36	---	---	---	---	---	1968
1969	---	---	1.92	36.2	26.6	12.6	7.90	9.78	8.57	18.6	---	---	15.2	1969
1970	---	---	2.45	19.3	19.4	12.8	101	36.1	40.1	31.4	---	---	32.9	1970
1971	---	---	4.36	43.5	35.6	27.6	78.6	20.0	8.61	6.71	---	---	28.1	1971
1972	---	---	2.86	13.4	38.9	8.23	4.19	3.20	2.60	4.92	---	---	9.81	1972
1973	---	---	1.18	9.00	12.1	35.4	26.6	42.0	40.2	33.3	---	---	24.9	1973
1974	---	---	3.85	56.4	127	32.7	18.8	10.8	14.8	12.2	---	---	34.5	1974
1975	---	---	3.35	13.3	44.8	36.2	51.9	20.5	15.1	10.7	---	---	24.5	1975
1976	---	---	3.11	15.0	7.61	14.0	55.5	19.7	20.6	10.4	---	---	18.2	1976
1977	---	---	2.47	10.7	12.5	14.6	10.6	11.5	8.74	8.58	---	---	9.94	1977
1978	---	---	2.61	10.4	25.5	32.0	9.54	5.09	13.9	12.7	---	---	13.9	1978
1979	---	---	3.63	6.00	29.1	42.6	20.0	8.48	12.4	9.71	---	---	16.4	1979
1980	---	---	2.10	10.6	7.00	3.86	2.90	26.5	28.4	21.1	---	---	12.8	1980
1981	---	---	2.81	10.5	7.65	6.74	21.3	5.44	2.74	2.29	---	---	7.44	1981
1982	---	---	0.872	8.21	21.3	9.26	8.93	5.68	3.42	2.68	---	---	7.56	1982
1983	---	---	1.45	8.74	7.29	5.93	11.3	6.23	3.82	4.41	---	---	6.13	1983
1984	---	---	1.48	8.50	14.3	28.0	9.28	4.35	5.33	7.35	---	---	9.77	1984
1985	---	---	2.37	16.8	56.1	16.4	6.94	2.63	2.04	2.78	---	---	13.3	1985
1986	---	---	1.56	7.59	12.6	9.22	31.0	22.9	4.59	3.67	---	---	11.7	1986
1987	---	---	2.00	22.9	20.7	14.9	5.39	3.67	3.99	2.81	---	---	9.49	1987
1988	---	---	2.20	6.47	5.95	6.68	24.8	11.1	7.83	3.45	---	---	8.58	1988
1989	---	---	1.30	5.23	10.3	17.7	9.37	2.97	5.94	5.80	---	---	7.30	1989
1990	---	---	1.98	12.6	27.3	10.5	8.40	1.80	1.38	1.73	---	---	8.21	1990
MEAN	---	---	2.36	16.0	25.9	17.5	22.9	12.4	11.2	9.88	---	---	15.0	MEAN

LOCATION - LAT 54 28 16 N LONG 111 11 08 W DRAINAGE AREA, 4 910 km² NATURAL FLOW

SAND RIVER NEAR THE MOUTH - STATION NO. 06AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	67.4 ON APR 22	0.850B ON MAR 01	322 000	1969
1970	161 AT 17:38 MST ON JUL 07	159 ON JUL 07	2.27 B ON MAR 01	697 000	1970
1971	115 AT 09:00 MST ON APR 27	114 ON APR 26	3.60 B ON MAR 05	596 000	1971
1972	67.7 AT 15:00 MST ON MAY 03	67.4 ON MAY 01	1.78 ON SEP 13	208 000	1972
1973	69.4 AT 22:30 MST ON AUG 30	69.1 ON AUG 31	0.850B ON MAR 01	628 000	1973
1974	191 AT 11:00 MST ON APR 27 *	190 ON APR 27 *	3.60 B ON MAR 01	731 000	1974
1975	84.1 AT 20:00 MST ON JUL 05	83.0 ON JUL 06	3.23 B ON MAR 22	519 000	1975
1976	103 AT 13:30 MST ON JUL 18	97.7 ON JUL 18	2.97 B ON MAR 14	386 000	1976
1977	---	25.3B ON APR 18	2.28 B ON MAR 22	210 000	1977
1978	57.2 AT 17:00 MST ON JUN 02	56.6 ON MAY 31	2.19 B ON MAR 01	294 000	1978
1979	57.0 AT 23:20 MST ON JUN 17	57.0 ON JUN 17	2.89 B ON MAR 01	348 000	1979
1980	42.9 AT 16:20 MST ON AUG 14	42.8 ON AUG 15	1.97 B ON MAR 01	271 000	1980
1981	34.9 AT 10:50 MST ON JUL 14	34.8 ON JUL 14	1.50 B ON OCT 31	158 000	1981
1982	---	42.0A ON APR 29	0.778B ON MAR 01 *	160 000	1982
1983	---	17.7 ON APR 21	1.35 B ON MAR 01	130 000	1983
1984	48.7 AT 03:26 MST ON JUN 05	48.4 ON JUN 05	1.23 B ON MAR 01	207 000	1984
1985	83.5 AT 14:32 MST ON MAY 12	83.3 ON MAY 12	1.70 ON AUG 30	281 000	1985
1986	69.8 AT 18:47 MST ON JUL 23	69.3 ON JUL 23	1.25 B ON MAR 06	248 000	1986
1987	59.7 AT 00:52 MST ON APR 18	48.3 ON APR 18	1.81 B ON MAR 30	201 000	1987
1988	41.2 AT 12:59 MST ON JUL 23	41.1 ON JUL 23	1.10 B ON MAR 01	182 000	1988
1989	21.6 AT 18:22 MST ON MAY 27	21.5 ON MAY 27	1.21 B ON MAR 17	154 000	1989
1990	33.7 AT 11:18 MST ON MAY 11	33.4 ON MAY 11	1.27 ON SEP 06	174 000	1990
				318 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	6.79	11.5	4.28	3.31	2.55	---	---	---	1923
1924	---	---	---	---	---	---	3.54	11.0	9.00	6.80	---	---	---	1924
1925	---	---	---	---	26.4	12.1	8.19	---	2.74	---	---	---	---	1925
1926	---	---	---	---	---	38.8	39.4	10.8	9.57	5.75	---	---	---	1926
1927	---	---	---	---	9.91	25.1	9.68	7.38	9.48	5.37	---	---	---	1927
1969	---	---	---	---	---	---	4.25	7.92	24.1	14.8	---	---	---	1969
1970	---	---	0.439	23.9	21.6	15.5	19.2	6.07	4.17	2.70	---	---	11.7	1970
1971	---	---	0.281	21.7	19.8	30.1	88.1	16.3	3.65	2.53	---	---	22.8	1971
1972	---	---	0.334	16.6	54.5	31.4	24.3	12.8	3.72	4.98	---	---	18.6	1972
1973	---	---	0.443	7.93	24.2	36.8	15.9	9.50	6.12	10.6	---	---	13.9	1973
1974	---	---	0.811	53.5	98.2	15.7	21.4	5.71	4.79	4.02	---	---	25.5	1974
1975	---	---	0.413	9.69	26.2	15.1	32.5	13.0	15.0	4.76	---	---	14.6	1975
1976	---	---	0.338	20.6	9.15	9.57	18.6	22.5	24.3	7.06	---	---	14.0	1976
1977	---	---	0.709	16.4	33.8	39.5	37.5	8.69	8.12	5.95	---	---	18.8	1977
1978	---	---	0.266	10.9	25.6	14.0	10.3	10.4	40.5	14.4	---	---	15.7	1978
1979	---	---	0.726	9.88	47.9	39.3	76.4	25.2	4.05	1.77	---	---	25.7	1979
1980	---	---	0.131	5.32	3.30	6.60	12.9	13.7	18.0	8.83	---	---	8.58	1980
1981	---	---	0.593	12.7	11.9	16.2	14.5	5.07	0.696	1.77	---	---	7.91	1981
1982	---	---	0.067	6.79	17.6	3.20	16.7	16.9	4.11	1.69	---	---	8.43	1982
1983	---	---	0.101	4.20	3.04	17.0	73.9	18.9	3.83	3.24	---	---	15.4	1983
1984	---	---	0.352	3.81	6.40	34.6	9.77	2.40	5.18	3.72	---	---	8.21	1984
1985	---	---	0.328	8.69	18.3	12.6	6.56	1.68	7.74	9.16	---	---	8.11	1985
1986	---	---	0.179	12.5	26.3	9.82	24.2	8.03	1.24	6.15	---	---	11.1	1986
1987	---	---	0.300	8.25	6.48	3.97	1.63	5.66	1.66	0.960	---	---	3.60	1987
1988	---	---	0.126	3.03	4.02	22.8	74.0	6.03	1.75	1.15	---	---	14.2	1988
1989	---	---	0.104	2.42	14.1	7.72	20.5	26.5	6.96	2.85	---	---	10.2	1989
1990	---	---	0.282	6.16	8.45	19.8	10.3	2.03	2.36	1.05	---	---	6.27	1990
MEAN	---	---	0.349	12.5	22.5	19.4	25.4	10.7	8.38	5.18	---	---	13.5	MEAN

LOCATION - LAT 55 09 20 N LONG 114 14 10 W DRAINAGE AREA, 2 600 km² NATURAL FLOW

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	55.5 ON JUN 16	---	---	1926
1927	---	34.3 ON JUN 12	---	---	1927
1969	---	---	---	---	1969
1970	---	60.6B ON APR 21	0.311B ON MAR 05	247 000	1970
1971	176 AT 23:00 MST ON JUL 10	173 ON JUL 10	0.153B ON MAR 14	484 000	1971
1972	78.4 AT 07:30 MST ON MAY 01	78.2 ON MAY 01	0.244B ON MAR 15	394 000	1972
1973	64.8 AT 15:30 MST ON JUN 19	63.7 ON JUN 19	0.388B ON MAR 18	294 000	1973
1974	182 AT 21:00 MST ON APR 30	181 ON APR 30	0.725B ON MAR 16	540 000	1974
1975	89.2 AT 18:30 MST ON JUL 02	88.9 ON JUL 02	0.371B ON MAR 26	309 000	1975
1976	81.0 AT 15:00 MST ON AUG 30	80.1 ON AUG 30	0.209B ON MAR 15	296 000	1976
1977	84.4 AT 20:00 MST ON JUN 05	84.1 ON JUN 05	0.592B ON MAR 28	398 000	1977
1978	97.4 AT 00:30 MST ON SEP 22	96.6 ON SEP 21	0.224B ON MAR 03	333 000	1978
1979	110 AT 21:00 MST ON JUL 07	109 ON JUL 07	0.350B ON MAR 01	545 000	1979
1980	39.2 AT 21:30 MST ON SEP 19	37.4 ON SEP 19	0.119B ON MAR 15	182 000	1980
1981	34.9 AT 09:00 MST ON JUL 25	34.6E ON JUL 25	0.245B ON MAR 06	167 000	1981
1982	47.7 AT 12:59 MST ON AUG 06	46.6 ON AUG 06	0.062B ON MAR 13	178 000	1982
1983	89.5 AT 15:15 MST ON JUL 21	88.0E ON JUL 31	0.094B ON MAR 07	325 000	1983
1984	78.5 AT 14:00 MST ON JUN 12	77.8 ON JUN 12	0.167B ON MAR 17	174 000	1984
1985	63.3 AT 15:00 MST ON JUN 27	61.9 ON JUN 27	0.005B ON MAR 07 *	172 000	1985
1986	75.3 AT 15:00 MST ON JUL 21	74.2 ON JUL 21	0.123B ON MAR 01	235 000	1986
1987	17.7B AT 21:30 MST ON APR 15	17.3B ON APR 16	0.262B ON MAR 01	76 200	1987
1988	188 AT 06:00 MST ON JUL 13 *	187 A ON JUL 13 *	0.056B ON MAR 07	300 000	1988
1989	74.8 AT 20:00 MST ON AUG 07	73.6 ON AUG 07	0.094B ON MAR 16	216 000	1989
1990	67.4 AT 12:30 MST ON JUN 15	66.7 ON JUN 15	0.179B ON MAR 01	133 000	1990
				286 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.176	3.78	2.73	2.68	4.26	4.81	2.84	1.41	---	---	2.83	1976
1977	---	---	0.266	4.57	5.54	3.62	4.78	1.49	1.41	1.92	---	---	2.96	1977
1978	---	---	0.153	3.52	3.85	4.16	0.582	0.433	5.57	1.03	---	---	2.14	1978
1979	---	---	0.167	1.18	9.18	7.85	9.46	1.46	0.620	0.209	---	---	3.77	1979
1980	---	---	0.063	1.66	1.35	1.80	1.23	3.31	4.15	1.36	---	---	1.86	1980
1981	---	---	0.535	2.67	2.54	1.99	1.55	0.380	0.274	0.402	---	---	1.29	1981
1982	---	---	0.023	0.661	4.27	0.873	3.24	3.68	0.589	0.425	---	---	1.73	1982
1983	---	---	0.007	0.888	11.31	6.69	10.5	2.08	0.946	0.937	---	---	2.92	1983
1984	---	---	0.193	1.26	2.46	4.80	2.03	0.661	2.88	1.18	---	---	1.92	1984
1985	---	---	0.029	2.39	6.70	3.83	1.04	0.393	3.13	2.62	---	---	2.51	1985
1986	---	---	0.406	2.71	5.46	2.74	7.21	1.58	0.930	1.63	---	---	2.84	1986
1987	---	---	0.163	2.80	2.40	1.37	0.368	1.76	0.807	0.457	---	---	1.26	1987
1988	---	---	0.174	2.35	2.36	5.70	9.44	0.665	0.330	0.342	---	---	2.67	1988
1989	---	---	0.041	1.03	5.53	2.78	2.79	4.42	1.48	0.738	---	---	2.36	1989
1990	---	---	0.221	2.89	3.24	5.02	1.59	1.01	1.01	0.747	---	---	1.95	1990
MEAN	---	---	0.174	2.30	3.93	3.59	4.00	1.88	1.80	1.03	---	---	2.33	MEAN

LOCATION - LAT 55 16 10 N LONG 114 46 26 W DRAINAGE AREA, 233 km² NATURAL FLOW

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	37.4 AT 19:30 MST ON AUG 26	20.6 ON AUG 27	0.045B ON MAR 03	60 000	1976
1977	39.1 AT 22:30 MST ON JUL 06	25.6 ON JUL 07	0.193B ON MAR 22	62 600	1977
1978	50.3 AT 13:30 MST ON SEP 17	45.9 ON SEP 17	0.048B ON MAR 05	45 400	1978
1979	79.8 A AT 18:00 MST ON JUL 01	55.7 A ON JUN 14	0.060B ON MAR 01	79 900	1979
1980	23.0 AT 01:00 MST ON AUG 06	16.3 ON AUG 06	0.016B ON MAR 03	39 300	1980
1981	13.1 AT 00:30 MST ON APR 25	8.72 ON APR 25	0.062B ON MAR 07	27 300	1981
1982	22.8 AT 07:09 MST ON AUG 04	20.7 ON AUG 04	0.020B ON MAR 01	36 700	1982
1983	103 * AT 23:00 MST ON JUN 25	57.1 ON JUL 27	0 B ON MAR 01 *	61 800	1983
1984	32.1 AT 19:30 MST ON JUN 07	21.9 ON JUN 07	0.078B ON MAR 14	40 700	1984
1985	43.7 AT 23:00 MST ON JUN 24	23.9 ON JUN 25	0 B ON MAR 01	53 100	1985
1986	73.7 AT 10:00 MST ON JUL 18	59.9 ON JUL 18	0.244B ON MAR 18	60 200	1986
1987	8.49 AT 18:00 MST ON JUN 02	7.24 ON AUG 11	0.072B ON MAR 04	26 700	1987
1988	165 * AT 19:00 MST ON JUL 06 *	79.3 A ON JUL 07 *	0.088B ON MAR 07	56 500	1988
1989	49.0 AT 22:00 MST ON AUG 03	35.9 ON AUG 04	0.029B ON MAR 03	49 900	1989
1990	55.6 AT 22:30 MST ON JUN 11	29.9 ON JUN 12	0.160B ON MAR 01	41 400	1990
				49 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	0.040	0.037	0.032	---	---	---	1912
1913	---	---	---	---	0.145	0.009	---	---	---	---	---	---	---	1913
1914	---	---	---	0.981	0.017	---	---	---	---	---	---	---	---	1914
1915	---	---	---	2.17	0.107	0.124	0.032	0.014	0.016	0.023	---	---	0.052	1915
1916	---	---	7.72	0.289	0.089	2.35	2.28	0.914	0.136	0.145	---	---	0.983	1916
1917	---	---	---	9.41	1.54	0.281	0.003	0	0	0	---	---	0.305	1917
1919	---	---	0.005	0.069	0.026	0.001	0	0	0	0	---	---	0.005	1919
1920	---	0	2.90	3.49	1.13	0.006	0.001	0	0	0.004	---	---	0.192	1920
1921	---	0.837	1.38	4.71	0.704	0.012	0.004	0	0.005	0.007	---	---	0.123	1921
1922	---	---	1.76	9.20	1.33	0.007	0.002	0	0	0.001	---	---	0.225	1922
1923	---	0.004	0.063	0.348	0.014	0.278	0.028	0.012	0	0.005	---	---	0.055	1923
1924	---	0.010	0.005	0.009	0	0	0	0.020	0	0.050	---	---	0.012	1924
1925	---	0.054	2.01	4.53	0.237	0.013	0.002	0.003	0.035	0.160	---	---	0.076	1925
1926	---	0.012	1.12	0.081	0.025	0.013	0.001	0.002	0.008	0.034	---	---	0.014	1926
1927	---	0.004	0.451	6.28	6.23	3.33	1.39	0.287	0.055	0.014	---	---	1.89	1927
1928	---	---	15.7	6.97	0.141	0.064	0.306	0.029	0.015	0.027	---	---	0.097	1928
1929	---	0	0.270	0.259	0.123	0.019	0.004	0	0.003	0.007	---	---	0.026	1929
1930	---	0.348	0.194	0.046	0.006	0.002	0	0	0.002	0.004	---	---	0.002	1930
1931	---	0.015	0.030	0.017	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	4.06	1.32	0.004	0	---	---	---	---	---	---	1935
1936	---	---	2.65	2.56	0.400	0.004	0	0	0	0	---	---	0.068	1936
1937	---	---	0.013	0.009	0.011	0.002	---	---	---	---	---	---	---	1937
1938	---	---	1.13	1.23	0.296	0.021	---	---	---	---	---	---	---	1938
1939	---	---	2.42	0.495	0.228	0.042	---	---	---	---	---	---	---	1939
1940	---	---	0.006	0.910	0.984	0.020	---	---	---	---	---	---	---	1940
1941	---	---	2.94	0.318	0.009	0.007	---	---	---	---	---	---	---	1941
1942	---	---	0.016	0.038	0.032	0.024	---	---	---	---	---	---	---	1942
1943	---	---	4.65	2.87	0.015	0.006	---	---	---	---	---	---	---	1943
1944	---	---	0.015	0.020	0.003	0.002	---	---	---	---	---	---	---	1944
1945	---	---	0.325	0.014	0.007	0.003	---	---	---	---	---	---	---	1945
1946	---	---	0.049	0.011	0.003	0.002	---	---	---	---	---	---	---	1946
1947	---	0.189	7.89	5.95	0.277	0.049	---	---	---	---	---	---	---	1947
1948	---	---	4.66	7.55	1.84	0.005	---	---	---	---	---	---	---	1948
1949	---	---	0.010	0.010	0.005	0.001	---	---	---	---	---	---	---	1949
1950	---	---	0.078	0.041	0.001	0	---	---	---	---	---	---	---	1950
1951	---	---	1.29	10.6	2.23	0.565	---	---	---	---	---	---	---	1951
1952	---	0.719	9.73	31.4	0.402	0.025	---	---	---	---	---	---	---	1952
1953	---	---	0.398	2.42	2.09	2.71	---	---	---	---	---	---	---	1953
1954	---	0.010	0.020	0.802	0.054	0.023	---	---	---	---	---	---	---	1954
1955	---	---	0.990	7.49	2.10	0.306	---	---	---	---	---	---	---	1955
1956	---	---	1.11	0.338	0.029	0.016	0.020	0.156	0.156	0.082	---	---	0.076	1956
1973	---	---	---	---	0.343	1.50	1.05	1.24	0.533	0.477	---	---	0.855	1973
1974	---	---	---	---	0.197	1.27	1.15	0.935	0.419	0.429	0.082	---	0.732	1974
1975	---	---	---	---	1.32	0.615	0.938	1.32	0.839	0.715	0.237	---	0.959	1975
1976	---	---	---	---	0.426	1.48	1.65	0.856	0.618	1.08	---	---	1.02	1976
1977	---	---	---	---	0.938	1.32	1.39	0.947	0.506	0.691	---	---	0.966	1977
1978	---	---	---	---	0.195	0.405	1.47	---	---	---	---	---	---	1978
1979	---	---	---	---	0.578	1.69	1.57	1.22	0.893	0.746	---	---	1.11	1979
1980	---	---	---	---	0.859	1.26	1.32	1.35	0.973	0.863	---	---	1.10	1980
1981	---	---	---	---	0.928	1.91	1.73	1.58	1.46	0.858	---	---	1.41	1981
1982	---	---	---	---	0.574	1.76	2.02	2.08	1.45	0.892	---	---	1.46	1982
1983	---	---	---	---	0.327	1.68	2.37	1.57	1.09	0.612	---	---	1.27	1983
1984	---	---	---	---	0.680	1.81	1.81	1.59	1.35	0.530	---	---	1.29	1984
1985	---	---	---	---	0.561	1.53	1.99	1.47	0.932	0.522	---	---	1.17	1985
1986	---	---	---	---	0.590	1.55	2.20	1.87	2.49	1.41	---	---	1.68	1986
1987	---	---	---	---	1.45	2.08	2.02	1.75	1.29	0.601	---	---	1.53	1987
1988	---	---	---	---	1.31	1.71	2.00	1.26	0.847	0.386	---	---	1.25	1988
1989	---	---	---	---	0.879	1.34	1.69	1.51	0.848	0.555	---	---	1.14	1989
1990	---	---	---	---	0.929	1.12	1.63	1.41	0.945	0.520	---	---	1.09	1990
MEAN	---	0.169	2.11	3.28	0.654	0.650	0.946	0.727	0.513	0.357	0.160	---	0.713	MEAN

LOCATION - LAT 50 01 25 N DRAINAGE AREA, 3 270 km²
LONG 110 41 02 W REGULATED SINCE 1955

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---			
1913	---	0.317 ON MAY 14	0 ON JUL 24 *	---	1912
1914	---	0.065 ON MAY 01	0 ON JUN 01	---	1913
			0 ON MAY 20	---	1914
1915	---	0.496 ON JUN 05	0.002 ON JUL 10	834	1915
1916	---	10.4 ON JUL 08	0.007 ON MAY 26	15 600	1916
1917	---	3.43 ON MAY 07	0 ON JUN 19	4 860	1917
1919	---	0.142 ON MAY 02	0 ON MAY 16	73.3	1919
1920	---	4.28 ON MAY 03	0 ON JUL 16	3 060	1920
1921	---	2.10 ON MAY 03	0 ON JUL 21	1 960	1921
1922	---	5.75 ON MAY 01	0 ON JUL 29	3 580	1922
1923	---	1.81 ON JUN 17	0 ON SEP 02	882	1923
1924	---	0.309 ON OCT 12	0 ON MAY 01	189	1924
1925	---	1.59 ON MAY 01	0 ON JUL 03	1 200	1925
1926	---	0.181 ON OCT 18	0 ON MAY 01	222	1926
1927	---	20.9 ON MAY 30 *	0 ON SEP 04	30 000	1927
1928	---	4.30 ON JUL 02	0 ON MAY 28	1 550	1928
1929	---	0.343 ON MAY 04	0 ON JUL 17	415	1929
1930	---	0.017 ON MAY 04	0 ON JUN 02	35.8	1930
1931	---	---	---	---	1931
1935	---	3.68 ON MAY 12	0 ON JUN 03	---	1935
1936	---	1.90 ON MAY 05	0 ON MAY 29	1 080	1936
1937	---	0.025 ON MAY 29	0 ON JUN 03	---	1937
1938	---	1.27 ON MAY 07	0 ON JUN 01	---	1938
1939	19.3 B AT 06:00 MST ON MAR 21	1.14 ON MAY 01	0 ON MAY 19	---	1939
1940	10.1 AT 19:00 MST ON APR 25	3.11 ON MAY 12	0 ON JUN 13	---	1940
1941	11.7 AT 18:30 MST ON MAR 24	0.054 ON JUN 15	0 ON JUN 13	---	1941
1942	---	0.110 ON MAY 26	---	---	1942
1943	46.2 AT 08:00 MST ON MAR 25	0.045 ON MAY 09	0 ON JUN 21	---	1943
1944	---	0.011 ON JUN 13	0 ON MAY 11	---	1944
1945	4.25B AT 20:00 MST ON MAR 10	0.014 ON MAY 01	0 ON MAY 31	---	1945
1946	---	0.008 ON JUN 24	0 ON MAY 09	---	1946
1947	48.4 ON MAR 22	1.07 ON MAY 04	---	---	1947
1948	39.1 B ON MAR 22	8.38 ON MAY 01	0 ON JUN 08	---	1948
1949	---	0.017 ON MAY 17	0 ON MAY 04	---	1949
1950	---	0.003 ON MAY 15	0 ON MAY 01	---	1950
1951	33.4 B AT 19:00 MST ON MAR 31	8.95 ON MAY 03	---	---	1951
1952	136 ON MAR 31 *	2.24 ON MAY 13	---	---	1952
1953	15.0 AT 18:00 MST ON JUN 04	11.6 ON JUN 07	---	---	1953
1954	---	0.235 ON MAY 01	---	---	1954
1955	15.9 B AT 05:00 MST ON MAR 31	7.19 ON MAY 19	---	---	1955
1956	6.20B AT 14:00 MST ON MAR 20	0.892 ON AUG 28	0 ON JUN 02	1 210	1956
1973	---	6.31 ON JUN 16	0.027 ON MAY 12	13 600	1973
1974	---	3.37 ON JUN 26	0.071 ON MAY 27	11 600	1974
1975	---	3.17 ON MAY 07	0.079 ON OCT 25	15 200	1975
1976	5.95 AT 05:10 MST ON JUL 13	4.62 ON JUL 13	0.020 ON MAY 07	16 200	1976
1977	---	2.41 ON MAY 16	0.156 ON MAY 01	15 400	1977
1978	---	1.91 ON JUL 23	0 ON MAY 20	---	1978
1979	---	2.76 ON JUN 20	0.065 ON OCT 29	17 700	1979
1980	4.44 AT 23:55 MST ON JUN 27	3.35 ON MAY 26	0 E ON MAY 01	17 600	1980
1981	5.34 AT 17:10 MST ON JUN 14	4.37 ON JUN 15	0.083 ON MAY 05	22 400	1981
1982	17.9 AT 01:44 MST ON JUN 30	3.44 ON JUN 30	0.069 ON MAY 12	23 200	1982
1983	14.7 AT 14:00 MST ON JUL 20	8.23 ON JUL 20	0.066 ON OCT 29	20 200	1983
1984	3.83 AT 19:57 MST ON JUN 22	3.16 ON JUL 31	0.051 ON MAY 01	20 500	1984
1985	---	2.61 ON JUN 14	0.078 ON MAY 08	18 500	1985
1986	---	10.7 ON SEP 26	0.234 ON OCT 28	26 800	1986
1987	---	3.06 ON JUL 20	0.083 ON OCT 30	24 300	1987
1988	---	6.23 ON JUN 09	0.072 ON OCT 24	19 900	1988
1989	---	2.58 ON JUL 26	0.052 ON MAY 02	18 100	1989
1990	---	2.51 ON JUL 26	0.055 ON OCT 30	17 400	1990
				11 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.624	0	0.070	---	---	---	---	---	---	1920
1921	---	---	0.872	3.39	0.522	0.005	0	---	---	---	---	---	---	1921
1922	---	---	0.932	6.83	1.11	0.014	0	0	---	---	---	---	---	1922
1923	---	---	0	0.409	0.011	0.005	0.011	---	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	1.46	2.19	0.118	0.006	0	0	0	0	---	---	0.469	1925
1926	---	0	0.981	0.106	0	0	---	---	---	---	---	---	---	1926
1927	---	0	0.023	3.01	1.94	0.696	0.082	0.001	0	0	---	---	0.712	1927
1928	---	---	7.09	0.958	0.086	0.003	0.163	0	0	0	---	---	1.05	1928
1929	---	0	0.137	0.771	0.410	0.015	---	---	---	---	---	---	---	1929
1930	---	0.259	0.074	0.256	0.060	0	0	0	0.003	0	---	---	0.049	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1936	---	---	0.913	---	0.360	0	---	---	---	---	---	---	---	1936
MEAN	---	0.043	1.04	1.63	0.437	0.062	0.036	0	0.001	0	---	---	0.456	MEAN

LOCATION - LAT 49 50 00 N
LONG 110 54 00 W
DRAINAGE AREA, 2 550 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCUPRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---			
1921	---	16.0 ON APR 16	0 ON MAY 30 *	---	1920
1922	---	14.9 ON APR 23	0 ON JUN 12	---	1921
1923	---	1.70 ON APR 16	0B ON MAR 01	---	1922
1924	---	0 B ON MAR 01	0B ON MAR 01	---	1923
1925	---	18.0 ON MAR 31	0B ON MAR 01	0	1924
1926	---	4.70 B ON MAR 06	0B ON MAR 01	9 920	1925
1927	---	11.9 ON APR 26	0B ON MAR 01	---	1926
1928	---	32.6 ON MAR 24 *	0B ON MAR 01	15 100	1927
1929	---	3.74 B ON APR 02	0B ON MAR 01	22 200	1928
1930	---			---	1929
1931	---	0.450 ON APR 09	0B ON MAR 19	1 030	1930
1936	---	---	0 ON MAR 01	---	1931
		7.19 B ON MAR 03	0B ON MAR 01	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 650	MEAN

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 46 00 N LONG 111 03 00 W DRAINAGE AREA, 2 280 km^2 NATURAL FLOW

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	2.38 ON APR 19 *	0B ON MAR 01 *	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.042	0.143	0.061	0.070	---	---	---	1965
1966	---	---	1.87	0.111	0.008	0.054	1.31	0.019	0.008	0.045	---	---	0.433	1966
1967	---	---	0.606	0.904	0.107	0.090	0.012	0.004	0.192	0	---	---	0.237	1967
1968	---	---	0.039	0.009	0.003	0.008	0.016	0.004	0.027	0.002	---	---	0.013	1968
1969	---	---	0.126	1.43	0.010	0.104	0	0	0	0	---	---	0.205	1969
1970	---	---	0.106	0.029	0.007	0.253	0.046	0	0	0.026	---	---	0.058	1970
MEAN	---	---	0.549	0.497	0.027	0.102	0.238	0.028	0.048	0.024	---	---	0.189	MEAN

LOCATION - LAT 51 16 07 N LONG 112 56 51 W DRAINAGE AREA, 158 km^2 NATURAL FLOW

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---			
1966	99.4 ON JUL 03 *	20.1 ON JUL 03 *	0 ON JUL 12 *	---	1965
1967	---	3.26 B ON APR 03	0B ON MAR 01	9 160	1966
1968	---	0.283E ON SEP 23	0 ON AUG 26	5 020	1967
1969	---	8.50 ON APR 03	0E ON MAY 01	284	1968
1970	---	1.53 ON JUN 17	0B ON MAR 01	4 340	1969
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	0B ON MAR 01	1 220	1970
				4 000	MEAN

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.005	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.026	0.026	0.006	0.006	0	0.002	0.001	0.005	---	---	0.009	1978
1979	---	---	0.018	0.009	0.009	0.001	0	0	0	0	---	---	0.005	1979
1980	---	---	0.003	0.007	0.001	0.019	0.004	0.003	0	0	---	---	0.005	1980
1981	---	---	0	0.001	0.024	0.006	0.006	0.002	0	0	---	---	0.005	1981
1982	---	---	0.017	0.027	0.008	0.005	0.009	0	0	0	---	---	0.008	1982
1983	---	---	0	0.004	0.003	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0.002	0.001	0.002	0.004	0	0	0	0	---	---	0.001	1984
1985	---	---	0.002	0	0	0	0	0	0.032	0.001	---	---	0.004	1985
1986	---	---	0.001	0	0.063	0	0.014	0.002	0.053	0.023	---	---	0.020	1986
1987	---	---	0.011	0.019	0.011	0	0	0	0	0	---	---	0.005	1987
1988	---	---	0	0.002	0.001	0.002	0.001	0.003	0.001	0.001	---	---	0.001	1988
1989	---	---	0.008	0.021	0.001	0.001	0	0	0.002	0	---	---	0.004	1989
1990	---	---	0.018	0.006	0.035	0.080	0.011	0.004	0.002	0	---	---	0.019	1990
MEAN	---	---	0.008	0.009	0.012	0.009	0.003	0.001	0.006	0.002	---	---	0.006	MEAN

LOCATION - LAT 51 33 44 N
LONG 114 02 09 W
DRAINAGE AREA, 38.3 km²
NATURAL FLOW

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---		---	1976
1977	0.017 AT 23:00 MST ON MAY 06	0.013 ON MAY 06	0 ON JUL 01 *	---	1977
1978	0.309B AT 19:00 MST ON MAR 26	0.198B ON MAR 27	0B ON MAR 01	14.7	1978
1979	0.124 AT 11:00 MST ON MAR 08	0.092A ON MAR 06	0B ON MAR 01	193	1979
1980	0.493 AT 19:30 MST ON JUN 18	0.196 ON JUN 18	0B ON MAR 01	96.2	1980
1981	0.062 AT 05:55 MST ON MAY 09	0.062 ON MAY 08	0B ON MAR 01	102	1981
1982	---	0.186A ON APR 13	0B ON MAR 01	103	1982
1983	0.037 AT 10:41 MST ON APR 27	0.036 ON APR 27	0B ON MAR 01	176	1983
1984	0.017 AT 11:48 MST ON MAR 23	0.013 ON JUN 08	0B ON MAR 01	18.0	1984
1985	0.611 AT 09:00 MST ON SEP 13	0.405 ON SEP 13	0B ON MAR 01	20.6	1985
1986	0.645 AT 16:20 MST ON SEP 26 *	0.463 ON SEP 26 *	0 ON MAR 09	92.5	1986
1987	---	0.273A ON MAR 31	0B ON MAR 01	415	1987
1988	0.066 AT 01:07 MST ON JUN 09	0.042 ON JUN 09	0B ON MAR 01	107	1988
1989	0.166B AT 08:22 MST ON MAR 31	0.108B ON MAR 31	0B ON MAR 01	30.1	1989
1990	0.298 AT 20:49 MST ON JUN 12	0.255 ON JUN 02	0 ON AUG 05	87.4	1990
				407	
				133	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	6.46	3.28	2.21	---	---	---	1909
1910	---	---	---	---	---	7.97	3.93	3.59	6.47	3.84	---	---	---	1910
1911	---	---	---	2.76	8.10	17.2	7.08	15.4	12.7	4.58	---	---	---	1911
1912	---	---	---	6.70	7.91	14.2	22.3	7.08	3.79	3.62	---	---	---	1912
1913	---	---	---	---	7.07	15.4	9.80	8.77	4.64	3.15	---	---	---	1913
1914	---	---	---	3.07	8.80	11.7	5.84	2.95	3.02	4.46	---	---	---	1914
1915	---	---	---	2.80	26.9	43.2	28.8	11.1	6.46	5.30	---	---	---	1915
1916	---	---	---	---	9.53	63.4	21.7	25.2	13.0	6.58	---	---	---	1916
1968	---	---	---	---	---	---	---	---	---	---	---	1.41	---	1968
1969	1.09	1.06	1.53	8.83	16.1	29.2	26.6	4.04	2.50	2.07	1.50	1.01	7.99	1969
1970	0.771	0.718	0.877	1.67	11.8	26.9	7.72	2.30	1.78	1.22	1.09	0.906	4.81	1970
1971	0.722	0.752	0.882	3.95	13.7	21.1	5.61	2.88	2.34	2.11	1.31	0.703	4.68	1971
1972	0.656	0.757	2.25	3.96	16.3	20.8	9.60	4.96	2.89	2.18	1.48	1.21	5.51	1972
1973	1.05	0.990	1.21	2.30	11.5	16.9	5.65	3.15	3.67	2.02	1.33	1.10	4.54	1973
1974	0.903	0.909	1.12	4.99	16.0	28.8	7.50	6.24	5.64	3.27	1.91	1.41	6.57	1974
1975	1.05	0.904	0.946	2.59	9.59	21.5	11.0	4.59	2.80	1.97	1.38	1.34	4.98	1975
1976	1.05	0.963	1.08	2.96	9.79	7.21	5.25	8.78	3.65	2.30	1.39	1.14	3.81	1976
1977	0.874	0.875	1.03	2.12	4.43	4.26	2.43	5.67	3.53	2.57	1.13	0.985	2.50	1977
1978	0.925	0.730	1.61	2.56	10.8	19.8	12.4	5.13	3.80	2.49	1.77	1.44	5.38	1978
1979	1.07	0.973	1.44	2.51	9.96	9.16	4.55	3.45	2.12	1.44	1.01	1.10	3.25	1979
1980	0.845	0.868	0.788	4.57	11.9	21.9	4.55	5.54	4.42	2.89	1.65	1.88	5.15	1980
1981	1.33	1.16	1.35	1.72	27.1	20.7	11.4	9.54	2.65	2.03	1.36	0.971	6.57	1981
1982	0.684	0.751	0.748	2.00	4.75	15.7	6.26	2.55	2.65	2.79	1.35	0.894	3.40	1982
1983	0.838	0.890	0.974	3.82	10.5	9.26	6.07	2.53	1.84	1.61	1.12	0.743	3.37	1983
1984	0.760	0.687	0.795	1.81	4.17	10.3	4.01	2.16	1.65	2.16	1.11	0.767	2.53	1984
1985	0.625	0.579	0.855	2.32	7.25	8.09	3.11	5.57	10.4	4.02	1.64	1.12	3.80	1985
1986	1.09	1.81	1.93	2.25	12.8	12.8	6.27	4.29	5.72	7.50	3.42	1.87	5.17	1986
1987	1.22	0.830	1.30	3.23	6.60	5.07	9.15	7.00	2.98	1.93	1.24	0.743	3.47	1987
1988	0.607	0.542	0.826	2.29	8.10	8.98	2.84	6.22	2.69	2.80	1.55	1.03	3.21	1988
1989	0.844	0.681	0.746	2.30	8.11	10.6	4.36	4.37	5.30	2.44	1.94	0.983	3.57	1989
1990	0.999	0.762	1.04	2.83	24.3	26.7	11.3	7.18	3.22	2.51	1.60	1.16	7.00	1990
MEAN	0.909	0.872	1.15	3.23	11.6	18.2	9.18	6.18	4.39	3.00	1.51	1.13	4.59	MEAN

LOCATION - LAT 50 41 14 N
LONG 114 14 34 W
DRAINAGE AREA, 595 km²
NATURAL FLOW

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	66.8 ON AUG 07	---	---	1911
1912	---	51.8 ON JUL 08	---	---	1912
1913	---	29.4 ON JUN 28	---	---	1913
1914	---	19.3 ON JUN 04	---	---	1914
1915	---	133 ON JUN 26	---	---	1915
1916	---	200 ON JUN 28 *	---	---	1916
1968	---	---	---	---	1968
1969	---	96.3E ON JUN 29	0.348 ON DEC 08	252 000	1969
1970	195 AT 04:59 MST ON JUN 14	122 ON JUN 14	0.626 ON MAR 01	152 000	1970
1971	92.0 AT 07:00 MST ON JUN 06	71.9 ON JUN 06	0.546B ON DEC 28	147 000	1971
1972	45.9 AT 02:00 MST ON JUN 01	41.1 ON JUN 01	0.547 ON JAN 11	174 000	1972
1973	39.4 AT 02:00 MST ON JUN 07	34.0 ON JUN 07	0.677 ON NOV 08	134 000	1973
1974	55.8 AT 24:00 MST ON JUN 15	50.7 ON JUN 16	0.731 ON MAR 23	207 000	1974
1975	104 AT 02:30 MST ON JUN 20	83.8 ON JUN 20	0.841 ON JAN 17	157 000	1975
1976	45.0 AT 03:00 MST ON AUG 06	32.3 ON AUG 06	0.606 ON NOV 22	121 000	1976
1977	20.9 AT 09:30 MST ON AUG 13	15.2 ON AUG 14	0.668 ON NOV 18	78 900	1977
1978	53.2 AT 24:00 MST ON JUN 04	43.3 ON JUN 06	0.614 ON FEB 26	170 000	1978
1979	39.6 AT 02:00 MST ON MAY 27	29.6 ON MAY 27	0.498 ON NOV 20	102 000	1979
1980	69.1 AT 22:30 MST ON JUN 03	59.2 ON JUN 03	0.690 ON APR 01	163 000	1980
1981	122 AT 02:00 MST ON MAY 26	87.0 ON MAY 26	0.768B ON DEC 31	207 000	1981
1982	26.3 AT 23:51 MST ON JUN 14	21.8 ON JUN 15	0.530B ON JAN 07	107 000	1982
1983	47.0 AT 01:26 MST ON APR 25	24.7 ON APR 25	0.333 ON NOV 23 *	106 000	1983
1984	24.8 AT 00:19 MST ON MAY 31	15.1 ON MAY 31	0.560B ON DEC 27	79 900	1984
1985	82.2 AT 19:09 MST ON SEP 12	50.0 ON SEP 13	0.517B ON FEB 13	120 000	1985
1986	39.6 AT 01:29 MST ON MAY 29	33.3 ON MAY 28	0.748B ON FEB 18	163 000	1986
1987	24.2 AT 10:37 MST ON JUL 19	22.7 ON JUL 19	0.564B ON FEB 26	109 000	1987
1988	29.4 AT 06:02 MST ON JUN 08	24.9 ON JUN 08	0.470B ON FEB 04	102 000	1988
1989	19.4 AT 02:58 MST ON MAY 11	17.3 ON MAY 11	0.600B ON MAR 01	112 000	1989
1990	207 AT 01:00 MST ON MAY 26 *	128 ON MAY 26	0.540B ON FEB 17	221 000	1990
				145 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	4.52	2.10	1.64	---	---	---	1950
1951	---	---	---	---	18.1	27.2	24.9	11.7	19.8	8.97	---	---	---	1951
1952	---	---	---	14.0	13.9	17.7	11.8	8.93	4.40	2.57	---	---	---	1952
1953	---	---	1.43	2.22	15.1	43.2	14.4	4.73	2.31	1.92	---	---	10.6	1953
1954	---	---	0.595	11.4	19.1	17.0	10.4	7.50	5.76	6.11	---	---	9.71	1954
1955	---	---	0.910	2.89	10.0	15.9	10.9	2.93	2.09	2.20	---	---	5.98	1955
1956	---	---	0.852	5.36	13.9	13.1	14.3	4.04	2.68	1.82	---	---	7.01	1956
1957	---	---	1.18	9.57	14.4	11.1	3.99	2.62	3.21	2.44	---	---	6.05	1957
1958	---	---	0.809	12.3	18.4	14.5	19.4	6.27	3.25	2.22	---	---	9.64	1958
1959	---	---	0.690	1.77	7.64	15.0	7.06	3.40	3.96	2.96	---	---	5.30	1959
1960	---	---	2.89	2.87	11.0	14.5	6.09	4.61	1.97	1.54	---	---	5.67	1960
1961	---	---	0.746	1.02	15.2	12.3	7.18	6.06	3.88	6.83	---	---	6.78	1961
1962	---	---	1.21	5.04	8.46	12.0	5.04	4.83	3.43	1.98	---	---	4.97	1962
1963	---	---	1.01	1.73	6.83	26.0	9.68	3.52	2.66	2.11	---	---	6.52	1963
1964	---	---	0.886	1.42	11.2	29.6	7.76	2.89	2.93	2.68	---	---	7.38	1964
1965	---	---	0.553	3.70	5.63	24.5	15.3	8.99	6.79	6.22	---	---	8.93	1965
1966	---	---	1.30	2.32	11.9	16.6	8.18	4.15	2.74	2.50	---	---	6.20	1966
1967	---	---	0.837	1.08	16.9	39.3	11.0	3.45	2.38	1.64	---	---	9.52	1967
1968	---	---	0.754	1.26	6.89	19.9	7.81	5.14	5.14	4.98	---	---	6.46	1968
1969	---	---	---	---	14.2	28.5	26.3	3.97	2.49	1.88	---	---	---	1969
MEAN	---	---	1.04	4.70	12.6	21.0	11.6	5.11	4.20	3.26	---	---	7.30	MEAN

LOCATION - LAT 50 37 20 N
LONG 114 25 40 W
DRAINAGE AREA, 454 km^2
NATURAL FLOW

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	106 ON JUL 09	81.3 ON AUG 30	---	---	1951
1952	62.0 ON JUN 12	40.2 ON JUN 12	---	---	1952
1953	104 ON JUN 13	81.3 ON JUN 09	---	---	1953
1954	35.7 ON MAY 19	30.3B ON MAY 06	0.453B ON MAR 01 0.283B ON MAR 11 *	224 000 206 000	1954
1955	46.2 ON MAY 19	26.6 ON MAY 19	0.850B ON MAR 01	127 000	1955
1956	49.8 ON JUL 03	37.7 ON JUL 04	0.765B ON MAR 17	148 000	1956
1957	59.2B ON APR 28	37.9B ON APR 28	0.651B ON MAR 01	128 000	1957
1958	52.4B ON APR 13	40.8B ON APR 13	0.566B ON MAR 11	204 000	1958
1959	36.0 ON JUN 27	29.2 ON JUN 27	0.368B ON MAR 14	112 000	1959
1960	36.8 ON MAY 11	30.0 ON MAY 12	0.821B ON MAR 14	120 000	1960
1961	55.2 AT 05:00 MST ON MAY 27	47.3 ON MAY 27	0.425B ON MAR 07	143 000	1961
1962	25.3 AT 23:00 MST ON JUN 15	21.1 ON JUN 15	0.691B ON MAR 04	105 000	1962
1963	340 AT 18:00 MST ON JUN 29 *	142 ON JUN 29	0.561B ON MAR 06	138 000	1963
1964	110 AT 01:00 MST ON JUN 08	72.8 ON JUN 08	0.776B ON MAR 30	156 000	1964
1965	---	92.6 ON JUN 18	0.368B ON MAR 01	189 000	1965
1966	34.8 AT 02:00 MST ON JUN 05	31.4 ON JUN 05	0.963B ON MAR 04	131 000	1966
1967	303 AT 20:00 MST ON MAY 30	187 ON MAY 30 *	0.544B ON APR 05	202 000	1967
1968	---	46.2 ON JUN 10	0.640B ON MAR 18	137 000	1968
1969	126 AT 02:13 MST ON JUN 26	95.1 ON JUN 29	---	---	1969
				154 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	27.5	67.9	12.6	5.31	3.48	5.43	---	---	---	1908
1909	---	---	---	---	---	57.1	29.3	9.00	3.68	2.51	---	---	---	1909
1910	---	---	---	3.17	7.12	7.10	3.37	3.25	5.94	4.40	---	---	---	1910
1911	---	---	---	7.73	16.0	24.2	10.9	24.2	19.5	7.95	---	---	---	1911
1912	---	---	---	---	14.4	25.9	47.6	11.0	6.26	7.46	---	---	---	1912
1913	---	---	---	9.83	13.2	20.8	13.1	11.7	5.48	4.19	---	---	---	1913
1914	---	---	---	---	14.6	15.9	9.35	3.61	3.04	5.99	---	---	---	1914
1915	---	---	---	3.51	37.7	75.3	111	24.0	13.2	10.8	---	---	---	1915
1916	---	---	---	12.0	28.6	97.1	31.8	40.8	24.0	10.0	9.47	3.09	---	1916
1917	1.46	0.526	1.30	4.89	38.9	60.6	14.1	7.61	4.48	2.88	2.48	1.32	11.7	1917
1918	0.912	1.21	5.61	3.68	8.55	14.3	6.65	6.68	4.34	2.96	2.34	1.63	4.92	1918
1919	1.14	0.633	0.910	4.06	12.2	7.80	3.40	12.3	3.21	2.53	0.972	1.16	4.22	1919
1920	1.15	0.821	1.79	---	---	---	---	---	---	---	---	---	---	1920
1965	---	---	---	---	---	---	---	---	---	9.22	3.18	2.02	---	1965
1966	1.56	2.14	5.46	13.0	17.6	26.6	17.6	8.99	3.85	2.81	1.95	0.600	8.53	1966
1967	1.05	0.823	1.96	7.82	47.0	56.7	11.0	4.41	2.52	4.79	1.30	0.883	11.5	1967
1968	0.704	0.803	1.58	2.60	10.7	22.6	9.10	6.27	6.66	7.43	2.30	---	---	1968
MEAN	1.14	0.994	2.66	6.57	21.0	38.7	22.0	11.9	7.31	5.52	3.00	1.53	8.17	MEAN

LOCATION - LAT 50 43 17 N LONG 113 58 51 W DRAINAGE AREA, 1 500 km^2 NATURAL FLOW

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	218 ON JUN 02	---	---	1908
1909	---	96.0 ON MAY 25	---	---	1909
1910	---	11.6 ON MAY 26	---	---	1910
1911	---	68.2 ON AUG 08	---	---	1911
1912	---	154 ON JUN 16	---	---	1912
1913	---	44.7 ON JUN 28	---	---	1913
1914	---	24.2 ON JUN 04	---	---	1914
1915	---	524 ON JUL 16 *	---	---	1915
1916	---	265 ON AUG 18	---	---	1916
1917	---	154 ON JUN 03	0.085B ON FEB 02 *	370 000	1917
1918	---	24.6 ON JUN 10	0.510B ON FEB 19	155 000	1918
1919	---	55.5 ON AUG 04	0.510B ON FEB 19	133 000	1919
1920	---	---	0.680B ON FEB 03	---	1920
1965	---	---	---	---	1965
1966	---	60.9 ON JUN 05	0.283B ON DEC 04	269 000	1966
1967	---	476 ON MAY 31	0.580B ON MAR 11	362 000	1967
1968	---	62.0 ON JUN 09	---	---	1968
				258 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	3.59	3.15	2.60	1.19	---	1957
1958	0.999	0.867	1.27	19.3	25.5	20.7	24.2	7.20	3.81	2.40	1.74	2.05	9.22	1958
1959	1.52	1.32	2.68	4.08	14.5	20.3	8.35	3.78	4.54	3.93	2.97	3.59	5.98	1959
1960	0.739	2.58	6.98	5.91	17.4	17.0	6.69	4.87	1.79	1.55	1.00	0.951	5.63	1960
1961	0.820	0.793	1.33	2.20	22.7	15.0	7.02	6.67	4.28	9.72	4.03	1.43	6.45	1961
1962	1.56	1.34	2.56	12.5	14.7	15.9	5.62	2.85	3.72	2.13	1.30	1.24	5.46	1962
1963	0.652	1.34	1.99	2.29	8.10	39.9	27.2	5.07	3.74	4.29	1.30	2.03	8.16	1963
1964	1.08	1.02	1.54	3.10	26.2	35.8	7.74	2.55	3.56	3.02	1.64	0.702	7.32	1964
1965	0.322	0.268	4.65	14.6	9.05	48.8	31.4	10.4	11.8	---	---	---	---	1965
MEAN	0.962	1.44	2.88	8.00	17.3	26.7	14.9	5.42	4.54	3.52	2.07	1.65	6.89	MEAN

LOCATION - LAT 50 42 45 N LONG 113 52 50 W DRAINAGE AREA, 1 570 km²
NATURAL FLOW

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	86.7 AT 10:00 MST ON APR 14	69.7 ON APR 14	0.453B ON FEB 08	291 000	1958
1959	80.7 AT 20:20 MST ON JUN 27	57.8 ON JUN 27	0.623B ON FEB 08	189 000	1959
1960	---	39.4 ON MAY 12	0.311B ON JAN 13	178 000	1960
1961	62.3 AT 20:00 MST ON MAY 27	55.5 ON MAY 27	0.453B ON JAN 26	203 000	1961
1962	44.7 AT 03:00 MST ON APR 16	38.5 ON MAY 21	0.323B ON FEB 21	172 000	1962
1963	507 AT 10:00 MST ON JUN 30 *	320 ON JUN 30 *	0.278B ON JAN 09	257 000	1963
1964	---	91.7A ON JUN 08	0.130B ON DEC 24	232 000	1964
1965	---	191 ON JUN 18	0.085B ON FEB 01 *	---	1965
				217 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.227	0.023	0.006	0.003	0.008	0	0	0	---	---	0.034	1968
1969	---	---	0	2.40	0.356	0.016	0.293	2.06	2.01	1.02	---	---	1.01	1969
1970	---	---	0	4.81	0.748	0.491	0.434	0.745	0.087	0.025	---	---	0.843	1970
1971	---	---	0	2.32	0.259	0.694	4.45	0.997	0.374	0.647	---	---	1.22	1971
1972	---	---	0.001	3.97	2.07	0.330	0.243	0.179	0.071	0.099	---	---	0.862	1972
1973	---	---	0.539	0.696	0.174	0.560	0.303	0.239	0.201	0.526	---	---	0.404	1973
1975	---	---	0	0.845	0.285	0.820	0.763	0.272	0.301	0.128	---	---	0.424	1975
1976	---	---	0.293	1.38	0.176	---	---	0.207	0	0.380	---	---	---	1976
1977	---	---	0	0.548	0.218	1.04	0.890	0.882	0.257	0.189	---	---	0.501	1977
1978	---	---	0.458	1.24	---	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.152	1.82	0.477	0.494	0.923	0.565	0.367	0.335	---	---	0.662	MEAN

LOCATION - LAT 54 18 50 N LONG 114 12 04 W DRAINAGE AREA, 442 km²
NATURAL FLOW

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.714 AT 10:16 MST ON MAR 25	0.513B ON MAR 05	0 ON JUN 25 *	716	1968
1969	13.6 AT 07:00 MST ON APR 13	13.3 ON APR 13	0B ON MAR 01	21 500	1969
1970	19.5 AT 23:00 MST ON APR 13 *	17.5 ON APR 13 *	0B ON MAR 01	17 800	1970
1971	17.9 B AT 20:00 MST ON APR 20	16.0 ON APR 21	0B ON MAR 01	25 800	1971
1972	11.3 B AT 01:30 MST ON APR 21	12.3 B ON APR 21	0B ON MAR 01	18 300	1972
1973	4.16 B AT 13:00 MST ON APR 01	3.54 B ON MAR 31	0B ON MAR 01	8 550	1973
1975	4.64 B AT 11:30 MST ON APR 20	4.33 B ON APR 20	0B ON MAR 01	8 970	1975
1976	3.96 B AT 14:00 MST ON APR 06	3.31 B ON APR 06	0B ON MAR 01	---	1976
1977	4.13 AT 11:30 MST ON JUN 03	3.8* ON JUN 03	0B ON MAR 01	10 600	1977
1978	---	---	0B ON MAR 01	---	1978
				14 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	17.3	---	---	1.40	1.68	0.670	0.526	---	1915
1916	0.335	0.461	0.574	0.779	2.85	5.83	7.14	6.30	4.95	3.11	1.05	0.643	2.77	1916
1917	0.531	0.428	0.386	0.719	7.84	6.83	3.61	1.29	1.61	1.03	0.785	0.620	2.15	1917
1918	0.524	0.553	0.581	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0.463	0.481	0.514	0.749	5.35	9.99	5.38	3.80	2.65	1.67	0.835	0.563	2.46	MEAN

LOCATION - LAT 52 25 42 N LONG 115 46 50 W DRAINAGE AREA, 283 km²
NATURAL FLOW

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	97.1 ON JUN 27 *	---	---	1915
1916	---	25.0 ON AUG 18	---	---	1916
1917	---	24.0 ON MAY 26	0.311B ON JAN 10	87 500	1917
1918	---	---	0.283 ON APR 29 *	67 800	1918
			---	---	
				77 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	4.59	18.0	27.8	13.9	---	3.75	---	---	---	1975
1976	---	---	---	---	10.9	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	24.2	17.8	17.9	8.20	3.15	---	---	---	1977
1978	---	---	---	---	6.10	28.3	31.3	16.1	14.9	5.18	---	---	16.9	1978
1979	---	---	---	---	6.81	23.5	23.1	14.9	9.22	4.73	---	---	13.7	1979
1980	---	---	---	---	17.7	29.7	23.2	13.1	8.21	5.52	---	---	16.2	1980
1981	---	---	---	---	15.8	16.7	38.3	24.7	9.12	3.91	---	---	18.1	1981
1982	---	---	---	---	5.78	28.9	27.1	16.8	12.5	5.52	---	---	16.0	1982
1983	---	---	---	---	8.38	20.5	21.2	15.9	8.00	4.05	---	---	13.3	1983
1984	---	---	---	---	3.84	23.0	22.3	17.1	9.79	5.25	---	---	13.5	1984
1985	---	---	---	---	10.4	17.3	21.4	14.7	10.4	4.51	---	---	13.1	1985
1986	---	---	---	---	15.2	27.4	22.7	16.0	7.91	5.53	---	---	17.4	1986
1987	---	---	---	---	12.1	24.1	19.6	11.0	7.97	3.90	---	---	13.4	1987
1988	---	---	---	---	9.46	27.0	16.1	15.5	8.72	5.82	---	---	13.7	1988
1989	---	---	---	---	6.42	27.6	23.6	22.1	10.2	5.58	---	---	15.9	1989
1990	---	---	---	---	8.79	31.4	31.5	17.8	7.88	4.46	---	---	16.9	1990
MEAN	---	---	---	---	9.48	25.2	24.6	16.6	9.50	4.72	---	---	15.2	MEAN

LOCATION - LAT 52 02 39 N LONG 116 23 02 W DRAINAGE AREA, 515 km^2 NATURAL FLOW

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	42.5 AT 05:30 MST ON JUL 14	39.1 ON JUL 07	---	---	1975
1976	42.8 AT 00:00 MST ON JUL 01	40.2 ON JUL 01	---	---	1976
1977	49.3 AT 00:50 MST ON JUN 08	47.6 ON JUN 08	---	---	1977
1978	47.3 AT 05:00 MST ON JUN 06	44.2 ON JUN 06	3.23 ON MAY 06	269 000	1978
1979	39.0 AT 23:30 MST ON MAY 26	33.8 ON JUN 12	2.21 ON MAY 08	217 000	1979
1980	59.0 AT 14:55 MST ON JUN 16	53.5 ON JUN 16	3.93 ON OCT 30	258 000	1980
1981	62.3 AT 19:55 MST ON JUL 14	60.7 ON JUL 15	2.50E ON OCT 31	288 000	1981
1982	42.6 AT 20:50 MST ON JUN 22	40.0 ON JUN 22	1.54 ON MAY 09 *	255 000	1982
1983	41.4 AT 01:30 MST ON JUL 07	35.4 ON MAY 30	2.25E ON MAY 01	212 000	1983
1984	47.0 AT 18:15 MST ON JUN 29	44.2 ON JUN 29	1.59B ON MAY 01	215 000	1984
1985	38.2 AT 04:50 MST ON JUN 30	34.8 ON JUN 30	1.61 ON MAY 01	208 000	1985
1986	102 AT 22:55 MST ON MAY 28	74.0 ON MAY 29	1.65 ON MAY 01	277 000	1986
1987	41.9 AT 20:55 MST ON JUN 16	36.8 ON JUN 16	2.90E ON OCT 31	213 000	1987
1988	126 AT 00:36 MST ON JUN 08 *	79.5 ON JUN 08 *	2.93 ON MAY 05	218 000	1988
1989	71.6 AT 04:29 MST ON JUN 15	59.2 ON JUN 15	3.70 ON MAY 03	253 000	1989
1990	64.3 AT 22:58 MST ON JUN 24	54.2 ON JUN 25	2.62 ON MAY 02	269 000	1990
				242 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.043	0.080	0.553	1.36	1.42	0.912	0.347	0.202	0.098	0.021	---	1971
1972	0.028	0.042	0.028	0.034	1.23	1.98	1.43	1.04	0.424	0.220	0.101	0.110	0.557	1972
1973	0.095	0.034	0.028	0.026	0.533	0.930	1.26	0.703	0.520	0.040	0.065	0.045	0.359	1973
1974	0.037	0.036	0.029	0.060	---	1.96	1.81	---	---	---	0.073	0.048	---	1974
1975	0.041	0.034	0.025	0.021	0.196	0.842	2.50	0.742	0.301	0.123	0.090	0.054	0.419	1975
1976	0.043	0.033	0.036	0.045	0.572	1.00	2.44	1.05	0.862	0.252	0.164	0.046	0.520	1976
1977	0.037	0.034	0.022	0.106	0.349	2.12	0.874	0.596	0.319	0.144	0.074	0.041	0.395	1977
1978	0.033	0.021	0.018	0.076	0.341	2.40	2.77	0.590	0.790	0.323	0.104	0.081	0.632	1978
1979	0.043	0.059	0.046	0.035	0.407	1.79	2.19	0.879	0.433	0.168	0.058	0.057	0.516	1979
1980	0.064	0.045	0.036	0.172	0.788	1.34	0.944	0.451	0.285	0.217	0.080	0.064	0.375	1980
1981	0.048	0.046	0.047	0.058	0.770	0.687	1.97	0.956	0.390	0.164	0.083	0.074	0.446	1981
1982	0.076	0.040	0.030	0.032	0.290	1.92	1.50	0.627	0.711	0.258	0.114	0.073	0.474	1982
1983	0.053	0.046	0.044	0.057	0.440	0.955	1.12	0.642	0.275	0.131	0.128	0.083	0.333	1983
1984	0.071	0.042	0.030	0.041	0.174	1.17	1.54	0.748	0.432	0.222	0.084	0.056	0.385	1984
1985	0.052R	0.054R	0.042R	0.052R	0.597R	0.930R	1.10 R	0.645R	0.435R	0.190R	0.039R	0.049R	0.351R	1985
1986	0.067	0.045	0.035	0.043	0.783	1.95	1.26	0.740	0.299	0.166	0.099	0.091	0.467	1986
1987	0.056	0.057	0.052	0.089	0.595	1.39	0.932	0.560	0.356	0.156	0.101	0.093	0.371	1987
1988	0.053	0.056	0.054	0.144	0.496	1.70	0.900	0.667	0.352	0.238	0.142	0.074	0.407	1988
1989	0.065	0.052	0.053	0.055	0.293	1.46	1.56	1.01	0.383	0.196	0.116	0.064	0.445	1989
1990	0.059	0.049	0.060	0.142	0.406	1.74	1.82	0.792	0.318	0.165	0.097	0.057	0.478	1990
MEAN	0.054R	0.043R	0.038R	0.068R	0.516R	1.48 R	1.55 R	0.755R	0.434R	0.187R	0.096R	0.064R	0.441R	MEAN

LOCATION - LAT 51 48 00 N LONG 116 34 59 W DRAINAGE AREA, 20.7 km² NATURAL FLOW

R - REVISED SINCE JAN 01 1989

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971			---	---	1971
1972	3.28 AT 20:30 MST ON JUL 19	2.78 ON JUN 23	0.028B ON JAN 01	17 600	1972
1973	4.67 AT 23:30 MST ON JUN 10	3.77 ON JUN 10	0.020B ON MAR 29	11 300	1973
1974	2.86 AT 17:00 MST ON JUN 23	2.27 ON JUN 24	---	---	1974
	4.62 AT 02:30 MST ON JUN 24	4.25 ON JUN 24			
1975	9.12 AT 18:30 MST ON JUL 05	5.52 ON JUL 05	0.014B ON APR 21 *	13 200	1975
1976	8.24 AT 22:00 MST ON JUN 30	6.00 ON JUN 30	0.031B ON FEB 19	16 400	1976
1977	11.3 AT 19:30 MST ON JUN 07 *	8.83 ON JUN 08 *	0.019B ON MAR 13	12 500	1977
1978	9.03 AT 02:00 MST ON JUN 30	6.34 ON JUL 06	0.016B ON MAR 10	19 900	1978
1979	8.22 AT 21:00 MST ON JUN 28	5.24 ON JUN 29	0.026B ON NOV 30	16 300	1979
1980	3.36B AT 16:30 MST ON APR 27	2.64 ON JUN 16	0.031B ON MAR 16	11 900	1980
1981	3.12 AT 19:25 MST ON JUL 15	3.00 ON JUL 15	0.035B ON APR 12	14 100	1981
1982	3.95 AT 20:55 MST ON JUL 20	3.37 ON JUL 21	0.024B ON MAR 28	14 900	1982
1983	3.77 AT 20:30 MST ON JUL 06	2.44 ON JUL 07	0.029B ON APR 09	10 500	1983
1984	3.61 AT 07:50 MST ON JUN 29	4.83 ON JUN 29	0.025B ON MAR 19	12 200	1984
1985	2.93 AT 23:50 MST ON JUN 29	2.39R ON JUN 30	0.016RB ON NOV 29	11 100	1985
1986	4.67 AT 18:40 MST ON MAY 28	3.82 ON MAY 27	0.026B ON FEB 20	14 700	1986
1987	2.89 AT 19:00 MST ON JUN 14	2.19 ON JUN 14	0.030B ON JAN 15	11 700	1987
1988	6.56 AT 22:11 MST ON JUN 07	4.78 ON JUN 07	0.024B ON JAN 03	12 900	1988
1989	4.93 AT 21:54 MST ON JUN 14	3.88 ON JUN 14	0.025B ON FEB 03	14 000	1989
1990	5.45 AT 21:42 MST ON JUN 24	4.33 ON JUN 24	0.036B ON FEB 18	15 100	1990
				13 900	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

SIMONETTE RIVER NEAR GOODWIN - STATION NO. 07GF001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	11.4	18.7	12.2	---	---	---	1969
1970	---	---	2.30	35.1	57.1	18.4	12.1	7.62	4.67	4.35	2.19	1.60	17.7	1970
1971	1.40	1.58	1.93	43.2	41.4	127	130	16.9	19.4	50.8	12.1	8.12	53.8	1971
1972	3.14	1.37	5.36	60.6	104	91.4	29.8	16.9	10.4	24.8	8.41	6.70	42.8	1972
1973	4.20	3.40	3.52	75.3	92.0	51.8	17.0	12.3	7.56	14.1	6.10	3.82	34.1	1973
1974	2.82	3.11	2.89	127	193	28.7	11.9	5.85	6.42	4.82	1.99	2.01	47.5	1974
1975	1.78	1.41	1.60	17.5	45.2	24.7	26.4	6.48	6.22	5.15	3.94	2.13	16.6	1975
1976	2.04	2.22	1.76	66.6	45.0	62.2	33.7	121	42.4	13.9	6.83	4.05	48.2	1976
1977	3.27	3.80	4.57	74.8	118	53.8	51.1	33.4	26.6	29.7	10.2	4.67	49.0	1977
1978	3.19	2.83	3.98	27.4	56.3	67.7	21.1	10.4	37.3	17.7	7.52	4.39	30.1	1978
1979	1.59	1.87	2.95	30.8	107	121	53.3	12.5	6.62	6.91	4.95	2.93	42.5	1979
1980	1.98	2.17	2.27	37.8	40.3	108	32.7	19.7	34.9	14.5	8.02	3.88	35.9	1980
1981	4.45	3.84	6.68	41.8	50.9	40.0	16.8	14.6	4.47	4.87	4.08	1.30	25.4	1981
1982	0.771	0.955	1.61	6.19	121	34.4	124	98.6	22.9	17.7	6.06	3.07	37.7	1982
1983	2.48	1.96	2.81	15.7	29.7	86.3	176	36.8	20.2	11.1	5.40	2.23	47.3	1983
1984	3.31	3.37	3.90	34.3	109	56.6	14.5	8.89	55.5	31.0	9.35	5.00	39.1	1984
1985	4.43	3.98	6.12	57.2	41.2	16.7	7.25	9.55	26.9	29.6	9.45	5.25	24.2	1985
1986	4.35	2.97	7.51	48.2	91.5	30.9	39.9	9.62	9.67	30.4	7.09	4.72	33.5	1986
1987	4.14	3.43	3.04	28.5	29.2	42.0	8.07	344	20.6	8.41	---	---	57.2	1987
1988	---	---	6.62	20.7	13.1	24.4	39.7	6.60	4.11	3.42	---	---	20.7	1988
1989	---	---	1.45	15.3	87.2	60.7	126	83.9	35.4	20.5	---	---	54.0	1989
1990	---	---	5.61	33.9	52.4	151	25.2	5.68	7.32	5.60	---	---	35.6	1990
MEAN	2.91	2.61	3.74	42.7	72.6	62.7	47.5	40.6	19.5	16.4	6.92	3.93	38.4	MEAN

LOCATION - LAT 55 08 30 N LONG 118 10 30 W DRAINAGE AREA, 5 050 km² NATURAL FLOW

SIMONETTE RIVER NEAR GOODWIN - STATION NO. 07GF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	156 AT 18:00 MST ON MAY 11	135 ON MAY 12	1.42B ON MAR 01	374 000	1970
1971	821 AT 04:00 MST ON JUL 13	680 ON JUL 13	1.61B ON MAR 22	1 140 000	1971
1972	694 AT 23:30 MST ON JUN 13	496 ON JUN 14	2.04B ON MAR 01	905 000	1972
1973	---	255E ON APR 26	3.11B ON MAR 23	722 000	1973
1974	453 AT 02:00 MST ON MAY 12	422 ON MAY 12	2.61B ON MAR 19	1 000 000	1974
1975	256 AT 01:00 MST ON JUN 30	222 ON JUN 30	1.30B ON MAR 09	353 000	1975
1976	663 AT 15:30 MST ON AUG 18	597 ON AUG 18	1.39B ON MAR 13	1 020 000	1976
1977	413 AT 04:00 MST ON MAY 07	362 ON MAY 07	4.02B ON MAR 27	1 040 000	1977
1978	377 AT 00:00 MST ON JUN 16	320 ON JUN 16	2.79B ON MAR 01	637 000	1978
1979	840 AT 11:00 MST ON JUN 15	710 ON JUN 15	1.79B ON MAR 04	899 000	1979
1980	540 AT 06:30 MST ON JUN 06	479 ON JUN 06	1.99B ON MAR 23	761 000	1980
1981	120 AT 22:00 MST ON JUN 01	107 ON JUN 02	3.59 ON SEP 17	475 000	1981
1982	1 440 AT 13:30 MST ON JUL 16	1 110A ON JUL 16	1.03B ON MAR 01 *	1 140 000	1982
1983	1 140 AT 17:00 MST ON JUL 27	797A ON JUL 27	2.29B ON MAR 02	1 000 000	1983
1984	442 AT 04:30 MST ON MAY 18	420 ON MAY 18	3.26B ON MAR 14	828 000	1984
1985	208B AT 05:00 MST ON APR 15	164B ON APR 15	3.44 ON AUG 03	512 000	1985
1986	160 AT 08:00 MST ON JUL 19	151 ON JUL 19	2.56B ON MAR 01	709 000	1986
1987	6 500 AT 19:00 MST ON AUG 02 *	3 170A ON AUG 03 *	2.45B ON MAR 08	1 210 000	1987
1988	532 AT 18:00 MST ON JUN 12	435A ON JUN 12	2.68B ON OCT 31	438 000	1988
1989	506 AT 10:30 MST ON JUL 03	476 ON JUL 03	1.17B ON MAR 26	1 140 000	1989
1990	1 020 AT 02:00 MST ON JUN 13	845A ON JUN 13	3.18B ON MAR 01	753 000	1990
				812 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE - STATION NO. 05AD020

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	0.481	3.75	0.699	1.59	0.874	2.12	---	---	1.58	1951
1952	---	---	---	---	1.27	1.56	2.76	2.39	2.71	1.23	---	---	1.98	1952
1953	---	---	---	---	0.770	2.98	0.963	0.011	2.82	2.10	---	---	1.59	1953
1954	---	---	---	---	0.671	2.01	1.23	1.78	2.74	1.72	---	---	1.68	1954
1955	---	---	---	---	0.367	0.701	0.066	0.003	0.003	0.003	---	---	0.189	1955
1966	---	---	---	---	---	0.022	0.095	0.096	0.111	0.072	---	---	---	1966
1967	---	---	---	---	0.394	0.046	0.069	0.293	0.103	0.078	---	---	0.165	1967
1968	---	---	---	---	0.012	0.146	0.299	0.356	0.213	0.055	---	---	0.180	1968
1969	---	---	---	---	0.046	0.087	0.027	0.220	0.144	0.066	---	---	0.098	1969
1970	---	---	---	---	0.030	0.175	0.589	0.341	0.115	0.165	---	---	0.237	1970
1971	---	---	---	---	0.016	0.166	0.374	0.344	0.191	0.101	---	---	0.199	1971
1972	---	---	---	---	0.016	0.171	0.268	0.306	0.067	0.048	---	---	0.146	1972
1973	---	---	---	---	0.128	0.402	0.586	0.205	0.141	0.137	---	---	0.266	1973
1974	---	---	---	---	0.017	0.073	0.200	0.434	0.230	0.191	---	---	0.191	1974
1975	---	---	---	---	0.236	0.069	0.169	0.209	0.063	0.041	---	---	0.132	1975
1976	---	---	---	---	0.077	0.323	0.333	0.152	0.064	0.156	---	---	0.184	1976
1977	---	---	---	---	0.109	0.306	0.484	0.232	0.060	0.048	---	---	0.207	1977
1978	---	---	---	---	0.048	0.051	0.277	0.306	0.227	0.074	---	---	0.164	1978
1979	---	---	---	---	0.034	0.173	0.432	0.460	0.100	0.071	---	---	0.212	1979
MEAN	---	---	---	---	0.262	0.695	0.522	0.512	0.578	0.446	---	---	0.522	MEAN

LOCATION - LAT 49 39 40 N, LONG 112 49 35 W REGULATED

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE - STATION NO. 05AD020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	8.64 ON AUG 12	0 ON MAY 01 *	25 100	1951
1952	---	10.0 ON JUL 17 *	0 ON MAY 01	31 500	1952
1953	---	6.80 ON JUN 23	0.011E ON MAY 01	25 300	1953
1954	---	7.65 ON JUL 12	0 E ON MAY 01	26 800	1954
1955	---	3.17 ON JUN 18	0 E ON MAY 01	3 000	1955
1966	---	0.597 ON JUL 03	---	---	1966
1967	---	1.97 ON MAY 08	0.008 ON OCT 30	2 620	1967
1968	---	1.44 ON SEP 23	0.003 ON MAY 01	2 860	1968
1969	---	0.399 ON MAY 30	0 ON MAY 10	1 560	1969
1970	---	1.29 ON JUN 13	0 ON MAY 05	3 770	1970
1971	---	0.665 ON JUL 26	0 ON MAY 01	3 160	1971
1972	---	0.668 ON JUL 18	0.002 ON MAY 23	2 320	1972
1973	---	2.49 ON JUL 22	0 ON MAY 09	4 240	1973
1974	---	0.985 ON AUG 13	0 ON MAY 27	3 040	1974
1975	---	2.26 ON MAY 07	0 ON JUN 06	2 100	1975
1976	0.561 AT 07:00 MST ON JUL 03 *	0.510 ON JUL 03	0 ON MAY 01	2 930	1976
1977	---	1.09 ON JUL 25	0 ON MAY 01	3 290	1977
1978	---	3.00 ON AUG 23	0.004 ON SEP 05	2 610	1978
1979	---	1.54 ON AUG 24	0 ON MAY 27	3 380	1979
				8 310	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	---	7 920	7 930	5 800	5 020	4 340	---	---	---	1921
1922	---	---	---	---	---	7 010	5 890	4 760	3 730	---	---	---	---	1922
1930	---	---	---	---	---	---	---	---	---	3 180	2 000	1 800	---	1930
1931	1 630	1 580	1 410	1 420	---	---	---	---	---	---	---	---	---	1931
1953	---	576	543	861	4 280	5 860	5 240	4 540	3 650	3 390	1 860	1 340	---	1953
1954	1 520	903	595	630	3 660	7 710	7 400	6 270	5 450	4 930	---	---	---	1954
1955	---	---	---	---	---	6 140	6 780	5 560	4 160	3 540	---	---	---	1955
1956	---	---	---	---	---	6 070	5 690	4 530	3 780	---	---	---	---	1956
1957	---	---	---	---	5 390	6 240	5 660	5 940	5 040	3 880	---	---	---	1957
1958	---	---	---	---	---	---	5 580	4 130	3 530	3 550	---	---	---	1958
1959	---	---	---	---	3 640	6 090	6 160	4 630	4 570	3 770	2 360	2 000	---	1959
1960	1 940	1 040	717	937	3 730	6 740	7 350	5 740	5 230	4 580	2 970	1 990	3 590	1960
1961	2 140	2 250	1 970	1 910	4 280	6 930	5 740	4 370	3 740	3 510	1 780	1 590	3 360	1961
1962	1 290	1 030	752	1 210	4 700	6 990	7 720	6 670	5 600	4 680	2 800	1 810	3 790	1962
1963	2 160	2 140	1 950	1 480	5 480	7 250	6 560	5 450	4 580	4 010	2 460	1 660	3 780	1963
1964	1 650	1 140	951	1 020	4 680	7 730	7 450	7 290	5 720	5 280	3 730	2 170	4 080	1964
1965	2 050	2 100	1 510	1 680	5 130	7 110	7 650	5 820	5 010	4 620	2 980	2 130	4 000	1965
1966	2 170	1 980	1 630	2 180	4 910	6 350	6 610	5 750	5 120	4 060	2 260	2 170	3 790	1966
1967	2 000	1 690	1 190	901	4 170	7 800	6 890	5 490	4 330	4 170	2 620	1 670	3 590	1967
1968	1 600	1 170	1 030	1 510	3 720	4 780	4 170	3 640	3 030	2 750	1 930	1 380	2 600	1968
1969	1 260	979	907	1 790	4 950	4 560	3 770	3 250	3 500	3 170	1 720	1 540	2 630	1969
1970	1 370	1 240	1 300	1 990	3 720	4 640	4 070	3 450	2 920	2 820	2 020	1 460	2 590	1970
1971	1 440	1 410	1 350	1 600	4 400	4 910	5 640	4 260	3 570	3 340	1 840	1 720	2 970	1971
1972	1 800	1 380	1 350	1 620	5 020	6 300	6 390	5 580	4 270	3 840	2 400	2 040	3 510	1972
1973	2 380	2 600	2 450	2 820	5 250	5 880	5 730	5 100	4 450	4 060	2 810	1 970	3 800	1973
1974	2 060	1 990	1 920	2 250	7 420	6 950	6 700	6 110	5 350	4 950	3 820	2 340	4 340	1974
1975	2 310	2 360	2 390	2 610	4 560	5 000	4 910	3 680	3 970	3 570	2 370	2 270	3 340	1975
1976	2 030	2 130	2 360	3 310	4 810	5 090	5 870	5 870	4 900	4 300	3 380	2 590	3 890	1976
1977	2 870	2 860	2 440	2 730	4 960	6 050	5 730	5 030	4 080	4 130	3 280	2 390	3 890	1977
1978	2 680	2 760	2 710	2 300	4 120	5 320	4 090	3 490	3 710	3 870	2 990	2 190	3 350	1978
1979	2 380	2 510	2 300	1 910	4 240	6 440	6 110	4 330	3 760	3 340	3 170	2 530	3 590	1979
1980	1 980	2 100	1 950	1 970	2 900	3 900	3 450	3 020	3 270	3 510	2 770	1 800	2 720	1980
1981	1 650	1 680	1 600	2 300	4 570	4 440	3 170	3 040	2 610	2 740	1 930	1 960	2 650	1981
1982	1 620	2 150	1 450	1 580	3 960	4 140	4 250	4 070	3 660	3 360	2 300	2 250	2 920	1982
1983	2 120	1 650	1 290	1 510	3 830	3 920	5 500	4 720	3 750	3 430	2 910	2 320	3 060	1983
1984	2 240	2 000	1 700	2 150	3 850	5 340	4 840	4 060	3 980	4 050	2 360	2 350	3 250	1984
1985	2 400	1 960	1 880	2 650	5 070	5 090	4 480	3 320	3 820	3 980	3 170	2 360	3 360	1985
1986	2 550	2 090	1 860	2 360	4 490	5 170	4 580	3 710	3 080	3 340	2 040	2 230	3 130	1986
1987	2 020	2 390	2 630	3 770	5 340	5 520	4 470	5 040	3 730	3 030	2 510	2 610	3 600	1987
1988	2 770	2 640	2 680	2 910	4 350	4 850	5 290	4 200	3 560	3 350	2 680	2 340	3 470	1988
1989	2 110	2 630	2 290	2 290	4 610	5 350	5 010	4 920	4 370	3 680	2 030	2 270	3 470	1989
1990	2 940	2 750	2 190	2 840	4 890	6 480	5 060	3 690	3 400	3 290	2 190	2 190	3 500	1990
MEAN	2 030	1 880	1 680	1 970	4 550	5 910	5 640	4 760	4 130	3 780	2 540	2 030	3 410	MEAN

LOCATION - LAT 59 52 20 N
LONG 111 35 00 W

DRAINAGE AREA 606 000 km²
REGULATED SINCE 1968

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	8 950 ON JUN 28	---	---	1921
1922	---	8 380 ON JUN 11	---	---	1922
1930	---	---	---	---	1930
1931	---	---	1 400B ON MAR 21	---	1931
1953	---	6 230 ON JUN 15	530B ON MAR 22 *	---	1953
1954	---	8 330 ON JUN 29	544B ON MAR 21	---	1954
1955	---	7 390 ON JUL 01	---	---	1955
1956	---	6 460 ON JUN 20	---	---	1956
1957	---	6 710 ON AUG 20	---	---	1957
1958	---	---	---	---	1958
1959	---	6 880A ON JUL 05	---	---	1959
1960	8 160 AT 06:00 MST ON JUL 08	8 100 ON JUL 08	544B ON MAR 30	113 000 000	1960
1961	7 480 AT 06:00 MST ON JUN 13	7 420 ON JUN 12	1 380B ON DEC 20	106 000 000	1961
1962	8 440 AT 20:00 MST ON JUL 05	8 380 ON JUL 05	566B ON APR 04	119 000 000	1962
1963	---	7 420A ON JUN 19	1 240B ON APR 21	119 000 000	1963
1964	---	8 670 ON JUN 19	663B ON APR 10	129 000 000	1964
1965	---	8 750 ON JUL 16	1 030B ON APR 16	126 000 000	1965
1966	---	7 140 ON JUN 18	1 420B ON APR 01	120 000 000	1966
1967	---	8 270 ON JUN 28	773B ON APR 07	113 000 000	1967
1968	---	5 640 ON JUN 20	994B ON APR 02	82 100 000	1968
1969	---	5 950 ON MAY 08	827B ON FEB 27	82 800 000	1969
1970	---	5 010 ON JUN 12	1 180B ON FEB 22	81 700 000	1970
1971	6 510 AT 11:30 MST ON JUL 19	6 510 ON JUL 18	1 330B ON MAR 05	93 700 000	1971
1972	7 820 AT 18:00 MST ON JUN 18	7 700 ON JUN 18	1 150B ON FEB 10	111 000 000	1972
1973	---	6 460 ON JUN 25	1 870B ON DEC 11	120 000 000	1973
1974	---	11 200B ON MAY 05 *	1 800B ON MAR 30	137 000 000	1974
1975	---	6 340E ON JUL 08	2 040B ON NOV 08	105 000 000	1975
1976	6 820 AT 18:30 MST ON AUG 24	6 770 ON AUG 25	1 860B ON JAN 14	123 000 000	1976
1977	---	6 880 ON JUN 17	1 970B ON APR 13	123 000 000	1977
1978	5 780 AT 11:10 MST ON JUN 14	5 750 ON JUN 14	1 950B ON DEC 31	106 000 000	1978
1979	---	7 310B ON MAY 20	1 730B ON APR 14	113 000 000	1979
1980	4 930 AT 18:09 MST ON JUN 13	4 870 ON JUN 13	1 440B ON DEC 16	86 000 000	1980
1981	---	5 540B ON MAY 09	1 090B ON JAN 28	83 400 000	1981
1982	6 250 AT 20:31 MST ON JUL 22	6 180 ON JUL 23	1 170B ON MAR 24	92 100 000	1982
1983	6 290 AT 18:24 MST ON JUL 24	6 260 ON JUL 23	1 190B ON APR 15	96 400 000	1983
1984	6 210 AT 21:23 MST ON JUN 16	6 180 ON JUN 16	1 600B ON APR 12	103 000 000	1984
1985	---	6 000B ON MAY 11	1 700B ON MAR 12	106 000 000	1985
1986	5 790 AT 00:20 MST ON JUN 06	5 740 ON JUN 06	1 500B ON NOV 10	98 800 000	1986
1987	6 820 AT 12:35 MST ON AUG 08	6 760 ON AUG 08	1 700B ON JAN 16	113 000 000	1987
1988	6 010 AT 05:44 MST ON JUL 22	5 930 ON JUL 22	2 090B ON DEC 31	110 000 000	1988
1989	6 090 AT 07:14 MST ON MAY 12	5 790 ON JUN 10	1 570B ON NOV 12	109 000 000	1989
1990	8 890 AT 22:19 MST ON JUN 18 *	8 830 ON JUN 18	1 880B ON NOV 12	110 000 000	1990
				107 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO. 05BF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	17.1	6.92	4.46	2.84	1.24	---	---	---	1932
1933	---	---	---	---	---	12.8	9.80	4.90	2.25	1.38	---	---	---	1933
MEAN	---	---	---	---	---	15.0	8.36	4.68	2.55	1.31	---	---	---	MEAN

LOCATION - LAT 50 41 07 N
LONG 115 08 47 W
DRAINAGE AREA, 131 km^2
NATURAL FLOW

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO. 05BF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	34.9E ON JUN 02 *	---	---	1932
1933	---	26.1 ON JUN 16	---	---	1933
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	134	177	160	160	112	49.6	33.4	16.9	---	1968
1969	14.8	13.5	14.1	30.4	128	250	152	190	98.7	62.4	33.2	11.4	116	1969
1970	11.3	13.1	11.0	15.1	74.1	303	166	107	50.5	37.0	16.5	11.3	95.2	1970
1971	10.6	15.0	12.5	18.3	149	306	246	148	84.0	65.3	31.5	21.1	129	1971
1972	13.9	11.7	12.0	14.1	168	442	195	148	---	---	26.2	18.6	---	1972
1973	14.8	11.4	11.8	13.7	128	244	170	110	70.2	42.5	22.7	21.7	101	1973
1974	14.1	11.6	11.1	17.2	82.2	308	224	129	80.7	69.6	27.6	21.6	115	1974
1975	15.7	10.9	10.2	12.8	64.4	195	259	102	66.4	39.7	37.1	19.4	93.7	1975
1976	12.5	13.5	12.0	28.6	140	184	228	199	115	52.0	25.1	21.4	120	1976
1977	15.3	13.4	10.3	27.3	112	259	231	158	74.3	42.3	22.8	19.7	114	1977
1978	13.8	10.2	11.9	19.8	72.6	222	213	107	91.9	67.9	35.4	21.8	101	1978
1979	14.7	11.0	12.4	13.1	79.2	268	239	121	67.3	37.7	14.9	10.1	105	1979
1980	10.0	9.33	9.07	34.1	136	257	153	114	85.6	60.8	26.8	31.6	106	1980
1981	24.2	12.7	13.8	19.4	168	157	191	139	69.0	28.5	25.1	11.8	98.4	1981
1982	11.4	11.1	9.07	16.9	88.2	352	301	177	128	56.9	23.2	15.4	140	1982
1983	13.9	11.2	11.3	19.4	91.8	165	174	109	71.7	41.0	34.2	14.1	85.5	1983
1984	14.8	13.0	11.2	19.1	49.6	263	232	136	116	82.7	29.2	15.5	114	1984
1985	12.8	13.0	15.8	15.8	129	241	216	103	76.2	43.1	20.9	14.6	105	1985
1986	13.4	9.83	13.2	13.9	138	326	267	110	64.5	48.8	23.5	17.3	122	1986
1987	16.0	12.7	10.8	18.2	144	252	155	157	72.4	34.1	---	---	105	1987
1988	---	---	10.8	29.5	124	194	130	110	58.7	40.2	---	---	87.0	1988
1989	---	---	9.51	15.8	127	294	201	196	80.8	44.4	---	---	121	1989
1990	---	---	13.1	26.3	149	339	230	127	80.1	38.0	---	---	125	1990
MEAN	14.1	12.0	11.7	19.7	116	261	206	137	82.4	50.2	26.8	17.6	109	MEAN

LOCATION - LAT 53 56 46 N DRAINAGE AREA, 3 840 km²
LONG 119 09 40 W NATURAL FLOW

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	294 AT 08:40 MST ON MAY 21	286 ON MAY 21	---	---	1968
1969	498 AT 21:58 MST ON AUG 05	399 ON JUN 04	13.0 B ON MAR 01	2 450 000	1969
1970	552 AT 05:20 MST ON JUN 04	527 ON JUN 04	9.91B ON MAR 03	2 010 000	1970
1971	544E ON JUN 08	515 ON JUN 09	12.1 B ON MAR 05	2 720 000	1971
1972	1 380 AT 16:00 MST ON JUN 12 *	1 230 ON JUN 12 *	10.4 B ON MAR 04	---	1972
1973	575 AT 12:00 MST ON JUN 24	547 ON JUN 24	11.5 B ON MAR 26	2 140 000	1973
1974	566 AT 05:30 MST ON JUN 17	532 ON JUN 16	10.5 B ON MAR 17	2 430 000	1974
1975	433 AT 16:30 MST ON JUL 16	396 ON JUL 06	9.49B ON MAR 01	1 980 000	1975
1976	385 AT 04:00 MST ON JUN 20	365 ON JUL 01	9.00B ON MAR 24	2 540 000	1976
1977	515 AT 07:30 MST ON JUN 08	484 ON JUN 08	8.55B ON MAR 22	2 420 000	1977
1978	459 AT 13:10 MST ON JUL 11	399 ON JUL 11	9.40B ON MAR 01	2 130 000	1978
1979	424 AT 06:50 MST ON JUN 04	409 ON JUN 05	11.1 B ON APR 07	2 220 000	1979
1980	520 AT 16:10 MST ON JUN 04	446 ON JUN 04	5.79B ON MAR 05 *	2 240 000	1980
1981	426 AT 13:00 MST ON MAY 26	402 ON MAY 26	11.5 ON APR 12	2 080 000	1981
1982	558 AT 06:45 MST ON JUN 15	513 ON JUN 15	6.70B ON APR 18	2 970 000	1982
1983	---	260E ON JUL 14	8.47B ON MAR 21	1 810 000	1983
1984	442 AT 07:20 MST ON JUN 14	424 ON JUN 14	8.73B ON MAR 13	2 400 000	1984
1985	---	388E ON JUN 30	8.50B ON MAR 27	2 220 000	1985
1986	617 AT 08:33 MST ON MAY 29	587 ON MAY 29	7.75B ON APR 03	2 590 000	1986
1987	459 AT 12:13 MST ON JUN 13	427 ON JUN 13	---	2 230 000	1987
1988	279 AT 12:17 MST ON JUN 08	267 ON JUN 08	8.92B ON MAR 01	1 840 000	1988
1989	468 AT 06:44 MST ON JUN 06	434 ON JUN 06	8.01B ON APR 06	2 560 000	1989
1990	563 AT 12:46 MST ON MAY 31	538 ON MAY 31	12.0 B ON MAR 22	2 650 000	1990
				2 320 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	873	1 360	464	241	213	93.0	46.3	---	1915
1916	33.3	48.2	52.6	197	444	785	926	342	242	220	132	57.4	291	1916
1917	43.3	36.9	31.8	279	1 510	1 260	567	286	167	191	106	57.4	380	1917
1918	90.7	57.0	41.7	311	561	1 120	1 050	436	239	149	79.5	59.8	351	1918
1919	41.7	23.3	23.5	186	311	1 130	607	414	455	197	87.1	71.6	296	1919
1920	66.8	47.6	43.1	130	1 890	1 680	1 070	568	406	424	149	67.5	548	1920
1921	57.5	45.7	72.9	491	1 060	1 070	526	405	301	294	---	---	---	1921
1922	---	---	---	---	---	724	357	261	182	---	---	---	---	1922
1955	---	---	---	---	590	1 550	939	462	158	96.0	51.9	37.8	---	1955
1956	29.4	27.6	28.1	556	690	989	368	339	206	168	120	52.1	297	1956
1957	35.1	24.0	29.7	363	1 030	653	597	841	335	309	305	142	392	1957
1958	158	48.2	38.9	418	902	846	542	176	154	194	77.7	43.4	301	1958
1959	35.8	29.2	37.6	170	605	994	574	305	447	295	220	127	321	1959
1960	59.7	43.0	84.6	341	859	1 660	927	305	143	138	79.0	68.9	393	1960
1961	46.7	30.1	34.4	86.5	482	642	450	204	171	286	144	40.2	219	1961
1962	31.1	47.7	21.9	566	1 000	940	834	420	240	181	136	64.3	383	1962
1963	61.8	54.2	68.5	721	1 250	988	475	266	227	170	89.9	63.4	370	1963
1964	45.8	49.3	36.2	184	890	1 490	1 050	1 200	653	475	143	77.1	526	1964
1965	63.7	52.9	64.7	833	1 200	1 440	1 660	540	511	418	170	63.8	587	1965
1966	60.3	52.4	58.8	660	1 250	871	691	645	376	216	117	74.9	425	1966
1967	84.9	58.8	49.1	155	1 280	1 750	593	317	164	129	66.8	47.9	391	1967
1968	50.5	57.9	84.6	152	727	1 140	683	480	279	165	108	45.7	331	1968
1969	36.1	31.2	31.6	469	696	605	339	368	464	240	89.0	68.6	287	1969
1970	30.5	35.5	48.6	373	528	770	344	223	133	112	46.0	37.2	224	1970
1971	31.1	31.5	29.4	331	683	1 470	1 450	344	224	315	129	72.9	428	1971
1972	50.7	38.2	66.5	476	1 140	1 840	572	366	196	411	159	94.1	450	1972
1973	86.4	67.0	55.6	523	995	905	464	297	197	276	149	92.0	343	1973
1974	59.6	54.9	46.8	900	1 550	1 030	598	298	217	242	71.5	45.2	428	1974
1975	46.5	33.1	32.5	156	500	777	807	252	172	111	127	54.7	257	1975
1976	50.3	52.0	41.3	554	890	915	807	1 100	493	219	101	66.1	442	1976
1977	68.6	65.1	54.3	526	1 220	1 100	889	525	348	389	101	76.1	449	1977
1978	46.8	42.3	58.7	213	549	874	605	297	460	275	182	75.9	307	1978
1979	45.8	38.9	52.1	259	1 060	1 330	861	267	152	115	43.6	24.7	355	1979
1980	28.0	25.5	28.8	259	576	1 400	624	315	384	256	114	86.7	341	1980
1981	79.6	83.8	87.2	355	837	690	431	331	136	80.7	91.4	28.8	270	1981
1982	22.9	28.9	37.7	108	881	992	1 470	1 030	452	223	84.6	57.8	453	1982
1983	47.7	38.2	38.9	223	469	859	1 300	409	214	137	117	58.2	328	1983
1984	47.1	47.1	50.4	188	650	932	523	264	480	383	132	58.9	313	1984
1985	51.2	42.6	59.2	355	600	680	435	251	402	346	110	70.7	284	1985
1986	49.3	39.1	70.3	351	827	968	840	293	169	296	94.9	75.6	341	1986
1987	60.2	47.9	41.9	266	607	670	348	1 160R	227	112	105	45.1	310 R	1987
1988	32.4	32.7	54.8	171	393	658	443	175	107	92.6	52.1	28.1	187	1988
1989	24.4	22.2	24.8	115	775	985	973	1 020	437	203	118	86.2	401	1989
1990	85.6	54.7	90.9	255	664	2 070	634	225	160	113	74.6	57.5	374	1990
MEAN	52.8	43.6	48.9	347	848	1 070	741	443R	287	230	113	63.6	359 R	MEAN

LOCATION - LAT 55 42 56 N LONG 117 37 19 W

DRAINAGE AREA, 50 300 km²

NATURAL FLOW

R - REVISED SINCE JAN 01 1989

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	2 780 ON JUL 05	29.2B ON JAN 26	9 190 000	1916
1917	---	2 620 ON MAY 22	29.2B ON FEB 19	12 000 000	1917
1918	---	1 720 ON JUL 14	37.4B ON MAR 05	11 100 000	1918
1919	---	2 920 ON JUN 12	19.0B ON FEB 08	9 340 000	1919
1920	---	3 110B ON MAY 09	32.6B ON MAR 22	17 300 000	1920
1921	---	1 580 ON JUN 08	---	---	1921
1922	---	---	---	---	1922
1955	4 620 AT 12:00 MST ON JUN 02	4 500 ON JUN 02	---	---	1955
1956	2 190 AT 07:00 MST ON JUN 13	2 150 ON JUN 13	14.0B ON DEC 12 *	9 410 000	1956
1957	1 920 AT 06:00 MST ON AUG 13	1 850 ON AUG 13	20.2B ON FEB 02	12 300 000	1957
1958	2 570 AT 02:00 MST ON JUN 30	2 300 ON JUN 30	29.4B ON DEC 10	9 500 000	1958
1959	1 950 AT 11:00 MST ON JUN 28	1 850 ON JUN 28	24.3B ON FEB 13	10 100 000	1959
1960	5 040 AT 02:00 MST ON JUN 23	4 420 ON JUN 23	30.6B ON FEB 09	12 400 000	1960
1961	1 420 AT 19:00 MST ON JUL 02	1 280 ON JUL 03	20.6B ON DEC 26	6 910 000	1961
1962	2 460 AT 05:00 MST ON JUL 20	2 250 ON JUL 20	17.3B ON MAR 08	12 100 000	1962
1963	---	2 010 ON APR 29	34.8B ON DEC 28	11 700 000	1963
1964	3 260 AT 21:00 MST ON AUG 03	3 060 ON AUG 04	29.7B ON MAR 24	16 600 000	1964
1965	5 520 AT 14:00 MST ON JUL 10	5 210 ON JUL 10	37.9B ON DEC 31	18 500 000	1965
1966	2 440 AT 17:00 MST ON MAY 12	2 300 ON MAY 12	33.1B ON FEB 15	13 400 000	1966
1967	---	2 200A ON JUN 03	33.7B ON DEC 27	12 300 000	1967
1968	2 440 AT 14:15 MST ON JUN 14	2 370 ON JUN 14	38.8B ON JAN 16	10 500 000	1968
1969	1 130 AT 14:00 MST ON APR 30	1 100 ON APR 30	25.1B ON JAN 29	9 060 000	1969
1970	1 550 AT 14:00 MST ON JUN 05	1 460 ON JUN 05	28.6B ON MAR 09	7 080 000	1970
1971	4 700 AT 05:00 MST ON JUL 13	4 450 ON JUL 13	26.9B ON JAN 27	13 500 000	1971
1972	9 200 AT 05:00 MST ON JUN 14	8 180 ON JUN 14	29.4B ON MAR 06	14 200 000	1972
1973	1 460 AT 11:30 MST ON MAY 18	1 380 ON MAY 18	46.4B ON MAR 24	10 800 000	1973
1974	2 740A AT 01:00 MST ON APR 27	2 690A ON APR 27	33.4B ON NOV 27	13 500 000	1974
1975	---	1 710A ON JUN 30	28.9B ON APR 01	8 110 000	1975
1976	2 720 AT 20:00 MST ON AUG 18	2 450 ON AUG 18	36.2B ON MAR 14	14 000 000	1976
1977	2 630A AT 10:30 MST ON MAY 07	2 460A ON MAY 07	40.8B ON MAR 27	14 200 000	1977
1978	1 830A AT 02:00 MST ON JUN 17	1 780A ON JUN 17	41.1B ON FEB 20	9 700 000	1978
1979	2 610 AT 20:30 MST ON JUN 15	2 390 ON JUN 15	19.3B ON DEC 02	11 200 000	1979
1980	3 720 AT 01:30 MST ON JUN 06	3 400 ON JUN 06	23.4B ON FEB 07	10 800 000	1980
1981	1 400 AT 19:30 MST ON MAY 27	1 350 ON MAY 28	19.7B ON DEC 31	8 520 000	1981
1982	9 020 AT 23:30 MST ON JUL 16	6 630A ON JUL 17	18.0B ON JAN 04	14 300 000	1982
1983	3 040 AT 19:30 MST ON JUL 27	2 690 ON JUL 28	32.2B ON JAN 30	10 300 000	1983
1984	1 830 AT 17:30 MST ON MAY 18	1 710 ON JUN 10	41.0B ON MAR 13	9 900 000	1984
1985	1 020 AT 15:30 MST ON MAY 24	1 020 ON MAY 26	35.9B ON FEB 20	8 970 000	1985
1986	1 980 AT 12:00 MST ON MAY 30	1 910 ON MAY 30	31.0B ON FEB 22	10 800 000	1986
1987	7 110 AT 10:30 MST ON AUG 03	6 330RA ON AUG 03	33.2B ON DEC 18	9 770 000	1987
1988	1 580 AT 05:00 MST ON JUN 13	1 510 ON JUN 13	23.3B ON DEC 30	5 910 000	1988
1989	2 090 AT 18:30 MST ON AUG 24	1 800 ON JUL 04	19.0B ON FEB 07	12 600 000	1989
1990	9 400 AT 13:00 MST ON JUN 13 *	8 620A ON JUN 13 *	40.8B ON FEB 07	11 800 000	1990
				11 300 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0	---	---	---	1980
1981	---	---	0.055	0.026	0.135	0.005	0	0	0	0	---	---	---	1981
1982	---	---	0.045	0.151	0.002	0.010	0.049	0.003	0	0	---	---	---	1982
1983	---	---	0.142	0.057	0.016	0	0	0.001	0	0	---	---	---	1983
1984	---	0	0.001	0.001	0	0	0	0	0.001	0.002	---	---	0.001	1984
1985	---	0.009	0.606	0.045	0.001	0	0	0	0.001	0.001	---	---	0.075	1985
1986	---	0.086	0.065	0	0.014	0.001	0	0	0.003	0.001	---	---	0.018	1986
1987	---	0.004	0.014	0.036	0	0	0.061	0.022	0	0	---	---	0.016	1987
1988	---	0	0.016	0.012	0	0	0	0	0	0	---	---	0.003	1988
1989	---	0	0.184	0.107	0.003	0	0	0	0.001	0	---	---	0.033	1989
1990	---	0.153	0.116	0.004	0.002	0.012	0	0	0	0	---	---	0.031	1990
MEAN	---	0.036	0.124	0.044	0.017	0.003	0.011	0.003	0.001	0	---	---	0.025	MEAN

LOCATION - LAT 50 28 20 N LONG 112 54 46 W DRAINAGE AREA, 350 km^2 NATURAL FLOW

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0A ON SEP 18 *	---	1980
1981	0.580 AT 13:10 MST ON MAY 18	0.552 ON MAY 18	0 ON JUN 22	---	1981
1982	1.14 AT 06:33 MST ON JUN 28	0.807 ON APR 12	0B ON FEB 24	---	1982
1983	1.37 AT 18:11 MST ON MAR 11	1.01 ON MAR 12	0B ON FEB 26	---	1983
1984	0.031 AT 16:38 MST ON OCT 25	0.023 ON OCT 25	0B ON FEB 01	11.9	1984
1985	4.31 B AT 18:49 MST ON MAR 17 *	2.66 B ON MAR 17 *	0 ON FEB 01	1 770	1985
1986	1.54 AT 16:31 MST ON FEB 27	0.955 ON FEB 28	0B ON FEB 01	433	1986
1987	2.70 AT 10:08 MST ON JUL 25	0.709 ON JUL 28	0 ON FEB 01	367	1987
1988	0.129 AT 11:50 MST ON MAR 27	0.075B ON MAR 27	0B ON FEB 01	75.8	1988
1989	---	1.45 B ON MAR 29	0B ON FEB 01	782	1989
1990	1.17 B AT 17:23 MST ON FEB 22	0.861B ON FEB 25	0B ON FEB 01	731	1990
				596	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO SEP IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	49.4	139	103	46.3	26.6	17.4	---	---	72.6	1971
1972	---	---	---	---	51.8	210	74.6	45.1	22.0	---	---	---	80.3	1972
1973	---	---	---	---	44.1	99.7	59.9	35.8	21.5	---	---	---	52.1	1973
1974	---	---	---	---	---	---	---	45.5	20.8	13.2	---	---	---	1974
1975	---	---	---	---	18.7	52.7	73.5	27.9	17.5	11.6	---	---	38.1	1975
1976	---	---	---	---	34.1	53.9	77.8	65.5	---	---	---	---	---	1976
1977	---	---	---	---	29.4	84.1	70.9	54.0	24.8	15.6	---	---	52.6	1977
1978	---	---	---	---	24.0	84.4	81.5	38.3	42.8	22.8	---	---	54.0	1978
1979	---	---	---	---	25.5	78.1	66.6	36.2	21.2	14.1	---	---	45.5	1979
1980	---	---	---	---	38.6	103	51.9	41.3	30.6	21.2	---	---	52.8	1980
1981	---	---	---	---	51.4	50.5	49.9	40.6	25.5	10.9	---	---	43.7	1981
1982	---	---	---	---	22.0	111	84.5	46.0	36.6	23.7	---	---	59.9	1982
1983	---	---	---	---	29.6	55.8	47.5	33.6	18.5	12.3	---	---	37.0	1983
1984	---	---	---	---	13.9	64.9	67.1	39.8	35.2	23.1	---	---	44.1	1984
1985	---	---	---	---	40.2	63.1	56.2	32.6	24.4	15.1	---	---	43.3	1985
1986	---	---	---	---	36.2	93.2	64.5	34.8	20.9	16.7	---	---	49.8	1986
1987	---	---	---	---	39.6	78.8	47.5	45.5	22.5	12.6	---	---	46.7	1987
1988	---	---	---	---	34.4	60.3	41.3	31.9	19.6	14.8	---	---	37.5	1988
1989	---	---	---	---	29.2	87.8	59.2	61.3	27.5	---	---	---	52.9	1989
1990	---	---	---	---	41.9	93.2	87.2	40.6	27.1	15.8	---	---	58.0	1990
MEAN	---	---	---	---	34.4	87.6	66.6	42.1	25.5	16.3	---	---	51.2	MEAN

LOCATION - LAT 53 09 28 N LONG 118 01 58 W DRAINAGE AREA, 1 580 km² NATURAL FLOW

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO SEP FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	323 ON JUN 09	14.2 E ON MAY 01	960 000	1971
1972	564 AT 17:30 MST ON JUN 12 *	532 ON JUN 12 *	---	1 060 000	1972
1973	---	227 E ON JUN 24	---	689 000	1973
1974	---	---	---	---	1974
1975	125 AT 03:30 MST ON JUL 10	119 ON JUL 10	7.79B ON MAY 01	504 000	1975
1976	123 AT 21:00 MST ON JUL 01	118 ON JUL 01	---	---	1976
1977	167 AT 09:00 MST ON JUN 08	161 ON JUN 08	11.0 E ON MAY 01	696 000	1977
1978	326 AT 01:30 MST ON JUL 12	269 ON JUL 12	13.3 ON MAY 07	715 000	1978
1979	163 AT 10:00 MST ON JUN 05	158 ON JUN 05	12.8 E ON MAY 01	601 000	1979
1980	170 AT 12:10 MST ON JUN 17	162 ON JUN 17	25.0 E ON SEP 28	699 000	1980
1981	134 AT 03:40 MST ON MAY 27	128 ON MAY 26	12.9 ON MAY 08	577 000	1981
1982	172 AT 18:55 MST ON JUN 28	165 ON JUN 22	8.70E ON MAY 06	792 000	1982
1983	111 AT 04:20 MST ON MAY 31	105 ON MAY 31	14.3 E ON MAY 01	489 000	1983
1984	184 AT 22:45 MST ON JUN 29	160 ON JUN 30	7.76A ON MAY 01	583 000	1984
1985	131 AT 01:55 MST ON JUL 01	120 ON JUN 30	6.45E ON MAY 01 *	572 000	1985
1986	205 AT 07:00 MST ON MAY 29	196 ON MAY 29	6.45E ON MAY 02	658 000	1986
1987	165 AT 22:20 MST ON JUN 13	147 ON JUN 13	16.2 ON SEP 30	618 000	1987
1988	89.9 AT 13:22 MST ON JUN 08	86.8 ON JUN 08	12.9 ON MAY 06	495 000	1988
1989	162 A ON JUN 15	152 A ON JUN 15	14.5 ON MAY 02	700 000	1989
1990	183 AT 04:30 MST ON JUL 07	174 ON JUL 07	13.3 E ON MAY 01	766 000	1990
				676 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO. 05AA025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	0.001	0	0	---	---	---	---	---	---	1966
1967	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	1967
MEAN	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 50 12 36 N LONG 114 32 40 W DRAINAGE AREA, 0.04 km² NATURAL FLOW

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO. 05AA025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	0.005 ON MAY 20	0E ON MAY 01 *	---	1966
1967	0.024 AT 14:00 MST ON JUN 17 *	0.011 ON MAY 30 *	0E ON MAY 01	---	1967
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUNDING CREEK NEAR CHINOOK - STATION NO. 05GA012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	0	0	0	0	0	0	---	---	---	1984
1985	---	---	0	0.843	0.011	0	0	0	0	0	---	---	0.105	1985
1986	---	---	0.024	0	0	0	0	0	0	0	---	---	0.003	1986
1987	---	---	0.060	0.011	0	0	0	0	0	0	---	---	0.009	1987
1988	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.013	0	0	0	0	0	0	---	---	0.002	1989
1990	---	---	0.011	0.001	0	0	0	0	0	0	---	---	0.002	1990
MEAN	---	---	0.016	0.145	0.002	0	0	0	0	0	---	---	0.020	MEAN

LOCATION - LAT 51 32 52 N LONG 110 55 11 W
DRAINAGE AREA, 2 280 km²
NATURAL FLOW

SOUNDING CREEK NEAR CHINOOK - STATION NO. 05GA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	0 ON APR 11	0 ON APR 11 *	---	1984
1985	---	3.63 B ON APR 03 *	0B ON MAR 01	2 210	1985
1986	---	0.113B ON MAR 01	0 ON MAR 24	64.7	1986
1987	---	0.251B ON MAR 27	0B ON MAR 01	190	1987
1988	---	0.004B ON MAR 20	0B ON MAR 01	2.68	1988
1989	0.225B AT 06:58 MST ON APR 13 *	0.136B ON APR 13	0B ON MAR 01	34.9	1989
1990	---	0.053B ON MAR 29	0B ON MAR 01	32.0	1990
				422	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.020	0	0	0	0.018	0.105	0.164	0.001	---	---	0.038	1968
1970	---	---	0.063	1.63	---	0.064	0.098	0	0.001	0.002	---	---	---	1970
1971	---	---	0	2.03	0.180	0.001	0	0	0	0	---	---	0.272	1971
1972	---	---	0.042	0.099	0.003	0	0.016	0.001	0	0	---	---	0.020	1972
1973	---	---	0.073	0.205	0.011	0.880	0.045	0.075	0.005	0.005	---	---	0.161	1973
1974	---	---	0	4.42	2.49	0.854	0.099	0	0	0	---	---	0.973	1974
1975	---	---	0	0.534	---	0.189	0.008	0	0	0	---	---	---	1975
1976	---	---	0.281	---	0.009	0	0.008	0	0	0	---	---	---	1976
1977	---	---	0	0	0.004	0	0	0	0.006	0.026	---	---	0.005	1977
1978	---	---	0.063	0.104	0.004	0.006	0.005	0	0	0	---	---	0.023	1978
1979	---	---	0.243	0.007	0	0	0	0.013	0	0	---	---	0.033	1979
1980	---	---	0	0.050	0	0.001	0	0	0	0	---	---	0.006	1980
1981	---	---	0.041	0	0	0	0.011	0	0	0	---	---	0.007	1981
1982	---	---	0.006	0.187	0.002	0.012	0.004	0.001	0	0.001	---	---	0.026	1982
1983	---	---	0.106	0.007	0.003	0.002	0.029	0.001	0	0	---	---	0.019	1983
1984	---	---	0.003	0.002	0	0	0	0	0.006	0.001	---	---	0.001	1984
1985	---	---	0.059	1.66	0.021	0.001	0	0	0	0	---	---	0.214	1985
1986	---	---	0.016	0	0	0	0	0	0	0	---	---	0.002	1986
1987	---	---	0.128	0.018	0	0	0	0	0	0	---	---	0.018	1987
1988	---	---	0.003	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1989
1990	---	---	0.004	0.003	0	0	0	0	0	0	---	---	0.001	1990
MEAN	---	---	0.052	0.522	0.136	0.092	0.016	0.009	0.008	0.002	---	---	0.096	MEAN

LOCATION - LAT 51 33 55 N LONG 110 28 25 W
DRAINAGE AREA, 3 000 km²
REGULATED

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.00 ON SEP 21	0B ON MAR 29 *	811	1968
1970	---	9.71 B ON APR 09	0E ON MAR 01	---	1970
1971	---	7.39 A ON APR 17	0E ON MAR 01	5 750	1971
1972	---	0.481B ON MAR 24	0E ON MAR 01	423	1972
1973	10.2 AT 23:00 MST ON JUN 15 *	7.82 ON JUN 16	0E ON MAR 01	3 410	1973
1974	---	20.1 B ON APR 19 *	0B ON MAR 01	20 600	1974
1975	---	1.84 B ON APR 23	0 ON MAR 01	---	1975
1976	---	---	0B ON MAR 01	---	1976
1977	---	0.091A ON OCT 02	0 ON MAR 01	96.9	1977
1978	---	0.663E ON APR 25	0B ON MAR 01	480	1978
1979	---	1.27 B ON MAR 16	0B ON MAR 01	705	1979
1980	0.588 AT 09:00 MST ON APR 04	0.448 ON APR 04	0B ON MAR 01	132	1980
1981	---	0.165B ON MAR 13	0B ON MAR 01	140	1981
1982	---	1.31 B ON APR 13	0B ON MAR 01	556	1982
1983	---	0.698B ON MAR 12	0B ON MAR 01	397	1983
1984	0.062 AT 23:31 MST ON SEP 23	0.045 ON SEP 24	0B ON MAR 01	30.9	1984
1985	---	5.13 B ON APR 03	0B ON MAR 01	4 530	1985
1986	---	0.032B ON MAR 11	0 ON MAR 23	44.0	1986
1987	---	0.414B ON MAR 27	0B ON MAR 01	390	1987
1988	0.032 AT 03:31 MST ON MAR 19	0.028 ON MAR 19	0 ON MAR 01	8.81	1988
1989	0.012 AT 19:29 MST ON APR 02	0.009 ON APR 03	0B ON MAR 01	3.46	1989
1990	0.075B AT 09:27 MST ON MAR 09	0.044B ON MAR 09	0B ON MAR 01	19.0	1990
				2 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07OA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	0.063	0.028	0.095	---	---	---	1970
1971	---	---	0	1.55	3.28	0.759	0.417	0.099	0.036	0.235	---	---	0.797	1971
1972	---	---	0	0.222	16.4	2.60	0.501	0.068	0.005	0.006	---	---	2.49	1972
1973	---	---	0	1.04	3.97	3.83	3.83	7.09	3.69	2.25	---	---	3.22	1973
1974	---	---	0.002	9.61	15.2	5.62	2.60	1.14	0.553	0.279	---	---	4.37	1974
1975	---	---	0	1.09	4.21	2.72	1.45	0.210	0.268	0.160	---	---	1.26	1975
1976	---	---	0	1.97	2.06	7.57	5.32	9.80	6.01	2.60	---	---	4.41	1976
1977	---	---	0.027	4.05	6.90	28.1	4.11	0.585	0.050	0.014	---	---	5.42	1977
1978	---	---	0	0.075	3.26	4.40	0.782	0.168	1.79	1.51	---	---	1.49	1978
1979	---	---	0	0.259	17.7	16.8	3.35	0.673	0.392	0.228	---	---	4.91	1979
1980	---	---	0.001	0.333	0.138	0.119	0.267	0.023	0.014	0.018	---	---	0.113	1980
1981	---	---	0	1.49	10.5	1.06	0.089	0.006	0.003	0.008	---	---	1.66	1981
1982	---	---	0	0.070	3.43	0.458	0.012	0.014	0.011	0.020	---	---	0.506	1982
1983	---	---	0	0.574	2.64	0.654	0.021	0.011	0.009	0.006	---	---	0.490	1983
1984	---	---	0	0.011	0.117	0.728	5.05	0.384	3.22	1.04	---	---	1.32	1984
1985	---	---	0.003	3.44	13.9	1.20	0.323	0.367	1.19	1.58	---	---	2.76	1985
1986	---	---	0	1.02	6.08	5.06	3.95	1.16	0.256	0.412	---	---	2.24	1986
1987	---	---	0.088	5.28	9.75	3.66	0.746	5.69	1.56	1.84	---	---	3.71	1987
1988	---	---	0.077	3.82	6.96	8.46	14.8	2.46	0.351	0.286	---	---	4.66	1988
1989	---	---	0	2.09	19.9	6.44	0.671	0.056	0.027	0.120	---	---	3.67	1989
1990	---	---	0.053	2.37	7.56	2.53	0.508	0.039	0.005	0.024	---	---	1.64	1990
MEAN	---	---	0.013	2.02	7.70	5.14	2.44	1.48	0.927	0.606	---	---	2.56	MEAN

LOCATION - LAT 58 35 29 N LONG 118 29 35 W DRAINAGE AREA, 819 km^2 NATURAL FLOW

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07OA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	8.50 E ON APR 27	0 B ON MAR 01 *	16 900	1971
1972	34.5 AT 24:00 MST ON MAY 12	34.5 ON MAY 13	0 B ON MAR 01	52 700	1972
1973	15.1 AT 14:00 MST ON AUG 22	15.0 ON AUG 22	0 B ON MAR 01	68 100	1973
1974	36.0 AT 24:00 MST ON APR 29	35.7 ON APR 29	0 B ON MAR 01	92 500	1974
1975	6.60 AT 02:00 MST ON MAY 03	6.48 ON MAY 03	0 B ON MAR 01	26 700	1975
1976	24.1 A ON AUG 20	22.7 A ON AUG 20	0 B ON MAR 01	93 300	1976
1977	78.7 AT 03:30 MST ON JUN 12 *	71.4 ON JUN 12 *	0.012 ON OCT 18	115 000	1977
1978	9.49 AT 18:30 MST ON MAY 30	9.46 ON MAY 30	0 B ON MAR 01	31 600	1978
1979	51.7 AT 12:00 MST ON MAY 31	50.7 ON MAY 31	0 B ON MAR 01	104 000	1979
1980	1.40 AT 12:30 MST ON APR 18	0.945E ON JUL 25	0 B ON MAR 01	2 400	1980
1981	26.3 AT 22:00 MST ON MAY 04	25.0 ON MAY 05	0 B ON MAR 01	35 100	1981
1982	---	8.05 E ON MAY 07	0 B ON MAR 01	10 700	1982
1983	4.30 AT 19:00 MST ON MAY 12	4.27 ON MAY 12	0 B ON MAR 01	10 400	1983
1984	9.26 AT 03:00 MST ON JUL 11	9.08 ON JUL 11	0 B ON MAR 01	27 900	1984
1985	33.9 AT 19:30 MST ON MAY 07	33.4 ON MAY 08	0 B ON MAR 03	58 400	1985
1986	16.1 AT 07:30 MST ON JUN 26	16.0 ON JUN 26	0 B ON MAR 04	47 500	1986
1987	14.8 AT 18:00 MST ON APR 30	14.4 ON MAY 01	0.078B ON MAR 11	78 400	1987
1988	34.7 AT 04:30 MST ON JUL 04	34.4 ON JUL 04	0.047B ON APR 08	98 600	1988
1989	29.0 AT 17:00 MST ON MAY 05	28.7 ON MAY 05	0 B ON MAR 01	77 700	1989
1990	11.2 AT 18:30 MST ON APR 29	10.0 ON MAY 10	0.002 ON SEP 20	34 600	1990
				54 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	2.14	1.19	0.595	0.184	0.317	0.438	---	---	---	1961
1962	---	---	1.08	3.53	1.70	1.18	0.540	0.264	0.232	0.266	---	---	1.09	1962
1963	---	1.30	0.570	0.730	0.930	1.49	0.690	0.157	0.142	0.143	---	---	0.605	1963
1964	---	---	0.189	1.32	3.17	9.37	1.56	0.585	0.665	0.492	---	---	2.15	1964
1965	---	---	0.499	3.87	3.83	3.40	1.51	0.653	0.812	0.473	---	---	1.87	1965
1966	---	---	1.34	1.98	1.93	3.03	1.25	0.487	0.272	0.438	---	---	1.32	1966
1967	---	---	0.599	1.37	6.76	6.01	1.74	0.657	0.309	0.489	---	---	2.24	1967
1968	---	---	0.948	1.02	1.95	2.09	0.833	0.650	0.787	0.618	---	---	1.11	1968
1969	---	---	0.472	4.34	1.75	2.80	1.27	0.382	0.265	0.469	---	---	1.46	1969
1970	---	---	0.290	1.06	5.41	3.43	1.17	0.515	0.419	0.428	---	---	1.59	1970
1971	---	---	0.343	2.91	4.75	3.29	1.32	0.502	0.440	0.512	---	---	1.75	1971
1972	---	---	3.84	3.17	5.47	5.25	2.17	1.14	0.709	0.680	---	---	2.80	1972
1973	---	---	0.751	1.12	1.15	0.712	0.179	0.051	0.116	0.157	---	---	0.529	1973
1974	---	---	0.807	2.69	2.84	2.41	1.17	0.639	0.386	0.367	---	---	1.41	1974
1975	---	---	0.278	1.13	5.45	13.2	2.74	1.12	0.616	0.933	---	---	3.16	1975
1976	---	---	0.791	2.82	2.64	1.62	0.748	0.554	0.216	0.240	---	---	1.20	1976
1977	---	---	0.188	0.648	0.288	0.025	0	0.016	0.092	0.163	---	---	0.177	1977
1978	---	---	1.75	1.71	2.66	1.97	1.36	0.703	1.00	0.535	---	---	1.46	1978
1979	---	---	1.54	2.35	4.09	2.07	0.838	0.418	0.151	0.200	---	---	1.46	1979
1980	---	---	0.300	2.64	1.81	1.65	0.429	0.504	0.440	0.427	---	---	1.02	1980
1981	---	---	0.610	0.878	2.93	1.94	0.907	0.367	0.171	0.317	---	---	1.02	1981
1982	---	---	0.468	2.32	2.43	2.15	0.892	0.320	0.270	0.372	---	---	1.15	1982
1983	---	---	0.484	0.758	0.849	0.638	0.349	0.052	0.077	0.144	---	---	0.418	1983
1984	---	---	0.262	0.588	0.456	0.631	0.158	0.107	0.170	0.244	---	---	0.325	1984
1985	---	---	0.285	1.80	1.28	1.23	0.255	0.296	0.825	1.05	---	---	0.871	1985
1986	---	---	1.62	1.36	1.79	1.50	0.482	0.210	0.704	0.592	---	---	1.00	1986
1987	---	---	0.913	1.78	1.17	0.601	1.44	0.817	0.507	0.455	---	---	0.961	1987
1988	---	---	0.646	2.04	1.26	0.711	0.212	0.034	0.081	0.207	---	---	0.645	1988
1989	---	---	0.851	2.42	1.61	2.98	1.12	0.964	0.789	0.620	---	---	1.44	1989
1990	---	---	1.08	3.55	3.38	2.54	1.35	0.620	0.242	0.692	---	---	1.68	1990
MEAN	---	1.30	0.820	2.00	2.59	2.70	0.983	0.466	0.407	0.439	---	---	1.31	MEAN

LOCATION - LAT 48 45 14 N LONG 113 10 00 W DRAINAGE AREA, 181 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURED OUTSIDE THE STANDARD PERIOD IN 1963 AND 1986

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	3.68 ON MAY 18	3.37 ON MAY 17	---	---	1961
1962	10.3 ON APR 14	7.36 ON APR 04	0.139 ON AUG 19	23 100	1962
1963	---	4.22 ON JUN 06	0.048 ON SEP 09	12 800	1963
1964	340 AT 13:00 MDT ON JUN 08 *	140 ON JUN 08	0.057B ON MAR 24	45 500	1964
1965	9.06 AT 06:00 MDT ON MAY 26	7.65 ON APR 29	0.227B ON MAR 27	39 600	1965
1966	15.2 AT 15:45 MDT ON JUN 04	12.1 ON JUN 04	0.142B ON MAR 03	28 000	1966
1967	29.4 AT 23:30 MDT ON MAY 08	17.3 ON MAY 30	0.198B ON MAR 09	47 400	1967
1968	9.40 AT 22:45 MDT ON JUN 07	6.88 ON MAY 23	0.278 ON SEP 17	23 500	1968
1969	11.2 AT 00:15 MDT ON APR 07	9.51 ON JUN 26	0.127B ON MAR 10	30 800	1969
1970	22.7 AT 20:00 MDT ON JUN 13	14.8 ON MAY 07	0.212B ON MAR 02	33 700	1970
1971	8.81 AT 16:15 MST ON MAY 06	8.64 ON MAY 06	0.170 ON MAR 23	37 100	1971
1972	30.0 AT 09:30 MST ON JUN 09	15.1 B ON MAR 16	0.311B ON MAR 04	59 200	1972
1973	1.87 AT 08:00 MST ON APR 12	1.70 ON APR 12	0 ON AUG 23 *	11 200	1973
1974	6.26 AT 07:15 MST ON MAY 01	5.72 ON MAY 01	0.142B ON MAR 08	29 800	1974
1975	283 AT 02:30 MST ON JUN 20	158 ON JUN 20 *	0.201B ON APR 08	66 800	1975
1976	7.48B AT 02:00 MST ON APR 08	5.75 ON APR 09	0.164 ON SEP 06	25 400	1976
1977	2.55B AT 17:15 MST ON APR 08	1.87B ON APR 09	0 ON JUN 28	3 740	1977
1978	13.4 AT 00:45 MST ON MAR 30	8.13 ON MAR 30	0.116B ON MAR 04	30 900	1978
1979	7.82 AT 15:00 MDT ON MAY 06	6.80 ON MAY 06	0.099 ON SEP 29	30 800	1979
1980	12.0 B AT 00:45 MST ON APR 15	11.4 B ON APR 15	0.147 ON AUG 02	21 600	1980
1981	12.3 AT 02:15 MDT ON MAY 16	8.83 ON MAY 16	0.079 ON SEP 20	21 500	1981
1982	11.1 AT 23:45 MDT ON APR 22	8.47 ON APR 23	0.091 ON SEP 10	24 300	1982
1983	4.42 AT 19:00 MDT ON APR 25	1.36 ON APR 25	0.011 ON SEP 05	8 850	1983
1984	5.01 AT 21:30 MST ON JUN 21	3.72 ON JUN 22	0 ON AUG 26	6 880	1984
1985	11.5 AT 21:00 MST ON MAY 30	6.40 ON MAY 31	0.028B ON MAR 01	18 400	1985
1986	28.3 ON FEB 24	4.45 ON MAY 05	0.150 ON AUG 20	21 300	1986
1987	11.5 AT 06:00 MST ON JUL 23	9.85 ON JUL 23	0.173 ON JUL 16	20 300	1987
1988	6.77 AT 04:00 MST ON APR 07	5.69 ON APR 07	0.003 ON SEP 10	13 700	1988
1989	12.6 AT 16:00 MST ON JUN 11	10.1 ON APR 07	0.127B ON MAR 04	30 400	1989
1990	9.09 AT 16:00 MDT ON MAY 29	7.99 ON MAY 29	0.178 ON SEP 12	35 500	1990
				27 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	22.7	22.5	15.0	10.3	11.5	6.74	---	---	---	1921
1922	---	---	---	---	41.8	11.2	3.22	0.784	0.837	0.719	---	---	---	1922
1923	---	---	0.027	6.79	12.0	6.59	15.0	4.17	1.34	0.537	---	---	5.82	1923
1924	---	---	---	1.39	7.90	3.34	4.86	9.93	13.0	9.12	---	---	---	1924
1925	---	---	---	31.9	17.9	13.5	4.38	4.18	4.64	3.93	---	---	---	1925
1926	---	---	0.492	19.9	20.7	31.6	6.97	3.41	12.9	8.79	---	---	13.0	1926
1927	---	---	---	15.9	36.4	40.9	52.8	12.6	4.18	4.05	---	---	---	1927
1928	---	---	0.358	11.8	21.9	10.0	6.05	1.94	1.69	1.91	---	---	6.94	1928
1929	---	---	---	11.1	20.6	13.1	17.2	18.8	10.2	11.9	---	---	---	1929
1930	---	---	---	22.3	30.4	68.7	21.3	3.92	2.20	1.27	---	---	---	1930
MEAN	---	---	0.292	15.1	23.2	22.1	14.7	7.00	6.25	4.90	---	---	8.59	MEAN

LOCATION - LAT 55 32 05 N LONG 116 28 58 W DRAINAGE AREA, 4 240 km² NATURAL FLOW

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	53.5 ON JUN 01	---	---	1921
1922	---	59.7 ON MAY 13	---	---	1922
1923	---	36.5 ON JUL 10	0 B ON MAR 07 *	123 000	1923
1924	---	35.4 ON SEP 02	0 B ON APR 01	---	1924
1925	---	55.5 ON APR 20	---	---	1925
1926	---	59.2 ON JUN 13	0.425B ON MAR 08	275 000	1926
1927	---	59.2 ON JUN 26	---	---	1927
1928	---	52.4 ON APR 28	0 B ON MAR 01	147 000	1928
1929	---	56.1 ON JUL 25	---	---	1929
1930	---	85.0E ON JUN 14 *	---	---	1930
				182 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	368	690	386	151	128	103	104	92.6	---	1966
1967	80.5	94.2	143	287	628	1 240	459	127	82.4	69.8	93.9	62.2	280	1967
1968	90.1	85.0	147	94.7	158	515	218	128	176	204	151	75.7	170	1968
1969	93.6	87.4	141	338	428	570	702	150	78.8	85.8	86.7	61.3	236	1969
1970	62.8	74.3	92.5	138	313	632	261	96.7	48.3	80.2	98.4	74.0	164	1970
1971	69.5	107	94.4	223	414	696	220	123	57.7	67.5	98.1	50.7	185	1971
1972	57.4	58.7	242	226	514	887	424	253	157	143	125	66.2	263	1972
1973	80.5	92.1	144	128	243	409	217	75.6	61.2	58.9	63.4	85.9	138	1973
1974	69.4	90.4	105	223	477	828	378	174	110	73.0	78.6	66.1	223	1974
1975	69.8	60.6	88.5	157	459	916	467	125	121	121	88.5	98.8	231	1975
1976	118	121	135	157	354	259	225	343	161	93.5	71.4	62.8	175	1976
1977	71.5	93.9	90.3	74.8	59.0	101	48.7	74.6	67.5	61.6	49.9	52.1	70.1	1977
1978	46.8	65.7	157	175	346	562	302	159	220	174	94.0	100	201	1978
1979	60.1	68.7	177	165	373	334	93.9	54.6	40.9	44.8	54.3	38.6	126	1979
1980	42.5	58.6	77.0	171	300	557	105	74.9	58.4	113	119	78.6	146	1980
1981	119	126	126	126	591	654	370	245	89.7	43.3	84.8	49.7	219	1981
1982	49.3	54.3	66.0	123	167	448	304	76.1	51.7	87.7	77.0	69.1	131	1982
1983	71.2	82.3	102	100	146	223	136	62.2	40.8	36.8	74.9	43.7	93.1	1983
1984	57.5	85.9	82.5	71.8	45.5	160	100	44.9	33.0	32.6	58.3	57.1	68.9	1984
1985	51.7	54.0	104	125	135	182	37.6	40.5	91.9	106	123	97.0	95.6	1985
1986	95.6	80.3	243	138	221	522	152	66.8	64.5	195	106	117	167	1986
1987	92.2	106	110	136	215	91.0	103	96.8	137	75.5	81.3	54.4	108	1987
1988	50.9	54.0	84.1	65.3	62.5	138	66.8	54.5	48.1	45.4	84.5	50.9	67.0	1988
1989	59.2	67.8	76.0	128	126	249	75.8	59.1	138	108	174	87.1	112	1989
1990	97.7	74.8	131	157	305	785	264	143	48.8	77.4	115	57.8	188	1990
MEAN	73.2	81.0	123	155	298	506	245	120	92.5	92.0	94.2	70.2	161	MEAN

LOCATION - LAT 50 44 15 N LONG 110 05 45 W DRAINAGE AREA, 66 000 km² REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1 190 AT 12:00 MST ON JUN 08	1 150 ON JUN 08	---	---	1966
1967	2 130 AT 15:00 MST ON JUN 03	2 010 ON JUN 03	32.0 B ON DEC 19	8 850 000	1967
1968	---	773 ON JUN 12	43.0 B ON FEB 03	5 370 000	1968
1969	---	1 880A ON JUL 02	49.0 B ON MAR 17	7 450 000	1969
1970	1 430 AT 12:58 MST ON JUN 18	1 340 ON JUN 18	32.3 B ON NOV 29	5 180 000	1970
1971	1 220 AT 04:10 MST ON JUN 10	1 200 ON JUN 10	24.4 B ON NOV 10	5 830 000	1971
1972	1 260 AT 11:40 MST ON JUN 05	1 260 ON JUN 05	30.9 B ON DEC 08	8 310 000	1972
1973	532 AT 03:25 MST ON MAY 31	532 ON MAY 31	19.8 B ON NOV 09	4 360 000	1973
1974	1 280 AT 05:00 MST ON JUN 21	1 230 ON JUN 21	38.2 B ON DEC 26	7 030 000	1974
1975	3 000 AT 19:00 MST ON JUN 23 *	2 690 ON JUN 23 *	30.6 B ON DEC 07	7 300 000	1975
1976	725 AT 18:00 MST ON AUG 09	680 ON AUG 12	30.9 B ON NOV 25	5 550 000	1976
1977	202 AT 13:00 MST ON JUN 15	195 ON JUN 15	16.1 ON MAY 03	2 210 000	1977
1978	830 AT 23:00 MST ON JUN 12	816 ON JUN 12	38.8 B ON NOV 18	6 330 000	1978
1979	701 AT 16:25 MST ON MAY 31	695 ON MAY 31	19.8 B ON DEC 03	3 950 000	1979
1980	1 080 AT 03:50 MST ON MAY 30	1 030 ON MAY 30	30.1 B ON JAN 14	4 610 000	1980
1981	1 650 AT 11:40 MST ON MAY 29	1 630 ON MAY 29	22.0 B ON DEC 01	6 920 000	1981
1982	---	637E ON JUN 22	32.0 B ON JAN 02	4 140 000	1982
1983	413 AT 01:18 MST ON JUN 04	399 ON JUN 04	32.1 ON SEP 27	2 940 000	1983
1984	270 AT 19:36 MST ON JUN 22	263 ON JUN 23	8.50B ON NOV 03 *	2 180 000	1984
1985	382 AT 17:27 MST ON MAY 30	370 ON MAY 30	18.9 ON SEP 08	3 010 000	1985
1986	943 AT 13:45 MST ON JUN 03	916 ON JUN 05	25.0 B ON NOV 15	5 270 000	1986
1987	328 AT 17:09 MST ON JUL 27	308 ON JUL 27	17.0 B ON DEC 18	3 410 000	1987
1988	305 AT 17:17 MST ON JUN 13	292 ON JUN 14	19.6 ON OCT 07	2 120 000	1988
1989	473 AT 14:13 MST ON JUN 15	464 ON JUN 15	39.2 ON AUG 15	3 530 000	1989
1990	1 360 AT 12:45 MST ON JUN 06	1 340 ON JUN 06	24.4 B ON NOV 29	5 930 000	1990
				5 070 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	1908
1911	---	---	---	---	---	932	731	---	---	---	120	70.8	---	1911
1912	47.1	60.4	---	---	---	541	609	376	246	172	144	67.3	---	1912
1913	46.8	57.0	58.4	254	351	842	479	347	215	166	122	88.3	254	1913
1914	72.1	44.6	114	163	416	362	400	187	127	215	157	63.8	211	1914
1915	65.3	56.1	175	151	548	914	935	523	250	201	128	67.3	337	1915
1916	46.5	149	171	208	335	1 310	1 070	439	380	213	158	94.8	381	1916
1917	64.0	60.6	57.5	180	600	1 210	571	218	147	140	90.2	51.1	281	1917
1918	86.8	67.1	143	145	292	597	258	188	128	104	69.2	56.4	178	1918
1919	57.1	48.1	47.3	135	354	410	186	227	101	59.9	55.2	55.1	145	1919
1920	47.6	58.5	126	241	532	571	658	247	96.3	111	79.5	60.0	236	1920
1921	56.8	59.8	74.7	158	421	650	299	147	59.8	71.0	70.1	59.8	178	1921
1922	53.8	39.7	49.7	131	373	622	268	140	90.9	68.2	59.8	40.7	162	1922
1923	46.8	36.1	57.5	108	292	1 510	573	263	151	119	79.9	51.0	273	1923
1924	41.7	62.8	66.6	96.4	307	547	323	273	112	78.8	79.4	60.9	171	1924
1925	66.7	66.2	174	327	473	622	300	183	132	194	110	87.0	228	1925
1926	54.0	55.2	91.7	136	156	207	208	82.7	373	304	144	98.7	159	1926
1927	77.3	72.0	124	198	529	1 250	665	402	442	255	161	102	357	1927
1928	197	110	248	175	521	789	773	233	125	171	118	83.9	295	1928
1929	54.5	52.8	119	90.6	389	922	178	74.8	43.8	25.4	48.4	56.2	171	1929
1930	42.3	113	113	212	353	533	327	106	52.0	74.3	56.2	66.8	171	1930
1931	52.1	48.9	55.5	75.2	146	298	159	62.8	66.8	---	---	---	---	1931
1932	---	---	---	151	420	887	269	124	124	85.1	80.2	60.4	---	1932
1933	52.7	46.8	67.3	164	410	666	315	86.0	73.0	72.3	152	---	---	1933
1935	---	---	81.6	166	260	498	284	145	47.9	49.4	55.7	44.3	---	1935
1936	45.8	46.1	111	207	296	369	73.8	47.0	23.4	18.1	36.1	26.7	108	1936
1937	30.2	33.6	69.2	123	154	530	174	101	39.9	53.3	86.3	61.8	121	1937
1938	58.7	44.9	94.5	207	452	676	362	127	95.0	90.0	67.4	52.1	194	1938
1939	41.5	41.8	88.3	136	218	454	268	79.7	51.6	52.5	74.0	52.8	130	1939
1940	42.7	45.2	97.5	176	345	273	131	87.1	128	120	77.2	59.6	132	1940
1941	44.5	45.7	110	127	116	215	98.5	58.4	83.6	110	83.6	66.1	96.6	1941
1942	53.0	47.9	65.6	138	564	892	570	284	193	159	81.7	73.5	261	1942
1943	67.5	77.8	123	388	312	505	427	127	49.0	39.4	58.2	61.7	187	1943
1944	60.5	52.9	60.3	97.0	73.2	229	116	101	56.7	46.7	56.8	59.3	84.0	1944
1945	56.1	50.6	87.9	84.4	239	726	358	77.1	78.2	87.0	76.4	83.6	167	1945
1946	81.3	72.1	116	137	299	628	262	82.5	124	100	98.3	110	176	1946
1947	88.4	121	270	293	603	631	289	111	150	241	152	89.9	254	1947
1948	79.8	72.7	118	453	1 020	1 430	387	300	88.1	58.5	74.1	59.4	344	1948
1949	79.0	58.0	59.9	176	262	335	96.0	55.7	30.9	40.7	62.4	65.6	112	1949
1950	59.9	65.3	97.8	210	321	678	430	149	70.3	86.6	117	94.7	199	1950
1951	83.9	90.5	123	334	757	943	891	333	628	401	263	148	418	1951
1952	119	119	152	559	442	520	408	270	136	100	91.0	78.0	249	1952
1953	72.8	95.3	98.2	256	529	1 640	606	223	153	104	94.5	83.2	327	1953
1954	81.8	104	86.1	225	553	690	507	257	303	247	172	105	278	1954
1955	79.8	75.6	86.6	262	459	616	482	119	78.6	129	135	108	220	1955
1956	116	96.3	163	258	421	593	381	185	131	114	78.2	80.3	218	1956
1957	71.2	72.4	154	154	558	417	172	50.8	73.3	84.9	120	87.7	164	1957
1958	78.4	97.2	111	341	447	471	355	124	70.6	90.8	120	109	201	1958
1959	87.1	110	130	177	365	641	329	114	111	132	148	136	207	1959
1960	104	94.7	172	239	323	369	233	103	30.8	35.3	65.1	78.8	154	1960
1961	72.7	80.9	103	97.2	331	545	101	99.6	54.3	118	122	96.0	152	1961
1962	106	136	150	275	231	312	143	69.1	87.5	58.9	77.6	50.9	141	1962
1963	61.4	93.1	128	75.0	137	381	505	142	109	95.2	72.5	94.0	158	1963
1964	71.4	82.9	82.3	127	465	840	318	70.8	41.6	89.4	91.9	82.8	197	1964
1965	79.7	88.9	102	257	293	772	628	225	212	244	158	102	264	1965
1966	93.6	90.0	160	239	389	669	390	142	122	97.0	99.9	93.0	216	1966
1967	82.0	99.0	139	243	595	1 240	422	118	75.1	64.2	91.3	62.8	269	1967
1968	85.3	87.2	125	92.3	176	517	212	124	181	197	145	69.5	167	1968
1969	92.3	83.7	142	340	441	608	680	145	76.9	79.2	77.0	55.4	236	1969
1970	66.9	75.9	85.3	125	317	603	241	88.0	47.5	76.2	88.5	79.1	158	1970
1971	71.5	108	95.2	222	423	665	201	117	56.2	76.4	94.9	56.4	182	1971
1972	56.4	63.0	245	220	530	924	417	248	154	139	124	79.7	267	1972
1973	83.2	95.1	148	127	251	392	189	71.0	55.3	64.4	74.6	85.6	136	1973
1974	68.1	97.9	107	235	477	822	358	151	100	77.1	78.8	65.2	220	1974
1975	72.6	64.0	86.2	161	463	942	440	115	110	115	92.4	110	231	1975
1976	121	117	128	156	357	250	207	356	147	92.0	87.6	71.9	175	1976
1977	77.0	89.7	85.2	73.8	61.0	86.6	43.7	75.6	60.4	54.7	56.1	50.2	67.6	1977
1978	63.9	75.1	170	158	359	585	316	151	219	163	93.9	95.3	205	1978
1979	60.7	69.3	195	165	392	320	81.1	47.8	35.7	41.6	53.5	40.7	125	1979
1980	41.6	60.0	78.8	153	299	539	93.9	77.8	57.2	105	107	80.0	141	1980
1981	120	130	110	106	636	662	361	238	88.0	40.5	86.5	49.7	220	1981
1982	50.2	54.3	66.4	115	150	455	277	63.6	45.7	74.8	69.3	70.6	124	1982
1983	70.9	85.0	97.1	101	139	206	120	54.6	35.0	32.4	72.1	42.0	88.5	1983
1984	60.2	86.1	81.9	62.4	40.7	156	91.1	45.6	30.3	28.1	61.9	55.3	66.4	1984
1985	52.8	54.7	105	116	141	164	35.6	37.1	85.5	112	114	99.9	93.3	1985
1986	94.1	115	209	138	233	487	149	64.9	69.6	189	103	115	164	1986
1987	90.0	102	111	129	209	88.0	96.7	92.8	128	74.4	79.2	51.8	104	1987
1988	52.1	54.5	84.4	57.8	59.4	134	62.4	52.3	44.6	51.3	81.6	52.6	65.3	1988
1989	60.7	67.1	77.6	120	120	245	67.9	60.3	132	111	171	85.5	110	1989
1990	94.0	76.4	133	158	336	756	253	134	49.1	87.8	112	59.4	187	1990
MEAN	70.8	76.0	114	182	359	617	338	155	119	111	98.3	73.6	193	MEAN

LOCATION - LAT 50 02 35 N LONG 110 40 40 W

DRAINAGE AREA, 56 400 km²

REGULATED

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	5 660 ON AUG *	---	---	---	1902
1908	5 240 ON AUG	---	---	---	1908
1911	---	1 140 ON JUN 19	---	---	1911
1912	---	1 130 ON JUN 19	28.9 ON JAN 04	---	1912
1913	---	974 ON JUN 04	27.6 B ON JAN 19	8 000 000	1913
1914	---	722 ON JUN 07	37.1 B ON FEB 04	6 660 000	1914
1915	2 550 AT 21:00 MST ON JUN 28	2 400 ON JUN 28	47.0 B ON DEC 31	10 600 000	1915
1916	---	2 200 ON JUN 23	39.6 B ON JAN 10	12 100 000	1916
1917	---	1 630 ON JUN 05	19.8 B ON DEC 15	8 870 000	1917
1918	---	1 040 ON JUN 16	30.3 B ON FEB 25	5 620 000	1918
1919	---	991E ON JUN 01	27.6 B ON FEB 11	4 570 000	1919
1920	---	824 ON JUL 10	37.4 B ON FEB 02	7 480 000	1920
1921	---	912 ON MAY 29	35.7 ON SEP 26	5 600 000	1921
1922	---	940 ON JUN 08	25.5 B ON DEC 18	5 100 000	1922
1923	4 110 AT 22:00 MST ON JUN 03	3 710 ON JUN 03	31.7 B ON FEB 26	8 620 000	1923
1924	---	821 ON JUN 17	27.8 B ON JAN 08	5 400 000	1924
1925	---	963 ON MAY 25	50.1 B ON JAN 16	7 210 000	1925
1926	---	682 ON SEP 14	33.4 ON JUN 12	5 030 000	1926
1927	2 140 AT 17:00 MST ON JUN 13	2 090 ON JUN 13	50.4 B ON DEC 15	11 300 000	1927
1928	1 840 AT 13:00 MST ON JUL 03	1 830 ON JUL 03	37.4 B ON DEC 05	9 340 000	1928
1929	3 450 AT 22:00 MST ON JUN 05	3 060 ON JUN 05	10.2 B ON NOV 21	5 390 000	1929
1930	---	725 ON JUN 12	24.5 ON SEP 02	5 380 000	1930
1931	---	524 ON JUN 22	---	---	1931
1932	2 940 ON JUN 05	2 710 ON JUN 05	---	---	1932
1933	---	940 ON JUN 20	---	---	1933
1935	---	682 ON JUN 20	---	---	1935
1936	694 ON JUN 05	688 ON JUN 05	12.6 B ON NOV 03	3 420 000	1936
1937	1 370 ON JUN 16	1 290 ON JUN 16	18.8 B ON FEB 02	3 820 000	1937
1938	---	1 090 ON MAY 29	37.4 B ON DEC 31	6 130 000	1938
1939	---	960 ON JUN 19	18.4 ON OCT 27	4 100 000	1939
1940	---	572 ON MAY 28	20.2 B ON JAN 26	4 180 000	1940
1941	---	391 ON JUN 06	29.7 B ON JAN 20	3 050 000	1941
1942	2 650 AT 10:30 MST ON MAY 14	2 080 ON MAY 14	25.5 B ON FEB 23	8 230 000	1942
1943	---	731 ON JUN 22	20.5 ON OCT 06	5 880 000	1943
1944	---	317 ON JUN 17	25.2 ON OCT 23	2 660 000	1944
1945	1 050 AT 08:00 MST ON JUN 09	1 030 ON JUN 08	34.0 B ON NOV 09	5 270 000	1945
1946	---	983 ON JUN 01	60.0 ON AUG 27	5 550 000	1946
1947	1 050 AT 16:40 MST ON MAY 13	1 040 ON MAY 13	66.3 B ON NOV 23	8 000 000	1947
1948	2 620 AT 08:15 MST ON JUN 20	2 550 ON JUN 20	15.3 ON SEP 30	10 900 000	1948
1949	---	575 ON JUN 04	12.7 ON OCT 20	3 530 000	1949
1950	---	1 090 ON JUN 25	30.0 ON OCT 16	6 260 000	1950
1951	1 780 AT 00:20 MST ON JUN 27	1 680 ON SEP 02	71.6 B ON JAN 31	13 200 000	1951
1952	---	1 070 ON JUN 15	34.8 B ON NOV 27	7 880 000	1952
1953	4 300 AT 08:30 MST ON JUN 11	4 080 ON JUN 11 *	40.2 B ON JAN 19	10 300 000	1953
1954	1 090 AT 08:20 MST ON MAY 22	1 090 ON MAY 22	45.6 B ON MAR 13	8 780 000	1954
1955	---	991 ON MAY 22	37.7 ON SEP 17	6 930 000	1955
1956	---	957 ON JUN 05	33.1 B ON NOV 20	6 900 000	1956
1957	739 AT 21:00 MST ON MAY 23	733 ON MAY 24	34.3 ON AUG 13	5 180 000	1957
1958	651 AT 16:10 MST ON JUN 13	648 ON JUN 13	35.1 B ON JAN 03	6 350 000	1958
1959	917 AT 10:00 MST ON JUN 30	889 ON JUN 30	50.1 B ON JAN 08	6 520 000	1959
1960	---	580 ON MAY 16	19.9 ON SEP 20	4 880 000	1960
1961	---	951 ON MAY 30	33.7 B ON NOV 30	4 790 000	1961
1962	---	379 ON JUN 19	24.9 B ON DEC 26	4 450 000	1962
1963	1 970 AT 22:00 MST ON JUL 02	1 550 ON JUL 03	19.4 B ON NOV 22	4 990 000	1963
1964	1 950 AT 18:00 MST ON JUN 11	1 830 ON JUN 11	27.1 ON SEP 21	6 220 000	1964
1965	1 640 AT 17:00 MST ON JUN 20	1 520 ON JUN 21	43.6 B ON DEC 31	8 330 000	1965
1966	1 150 AT 17:00 MST ON JUN 07	1 130 ON JUN 07	35.1 B ON JAN 02	6 800 000	1966
1967	2 360 AT 04:00 MST ON JUN 03	2 170 ON JUN 03	37.9 ON DEC 25	8 480 000	1967
1968	---	827 ON JUN 16	35.1 ON DEC 09	5 290 000	1968
1969	2 010 AT 23:30 MST ON JUL 01	1 880 ON JUL 02	41.6 ON SEP 25	7 440 000	1969
1970	1 440 AT 04:40 MST ON JUN 17	1 360 ON JUN 17	33.7 B ON NOV 27	4 980 000	1970
1971	1 270 AT 09:30 MST ON JUN 09	1 240 ON JUN 09	24.4 ON NOV 08	5 730 000	1971
1972	1 370 AT 13:00 MST ON JUN 04	1 350 ON JUN 04	35.7 B ON JAN 11	8 430 000	1972
1973	544 AT 03:30 MST ON MAY 30	521 ON MAY 30	25.6 B ON NOV 07	4 300 000	1973
1974	1 320 AT 09:30 MST ON JUN 20	1 290 ON JUN 20	24.0 B ON DEC 01	6 940 000	1974
1975	3 170 AT 01:00 MST ON JUN 23	2 860 ON JUN 23	21.5 B ON NOV 26	7 290 000	1975
1976	762 AT 20:50 MST ON AUG 08	731 ON AUG 11	36.0 B ON DEC 01	5 520 000	1976
1977	174 AT 14:50 MST ON JUN 14	169 ON JUN 14	13.1 ON APR 30	2 130 000	1977
1978	867 AT 05:40 MST ON JUN 12	855 ON JUN 12	36.2 B ON NOV 14	6 450 000	1978
1979	744 AT 18:30 MST ON MAY 30	734 ON MAY 30	19.8 B ON DEC 01	3 960 000	1979
1980	1 110 AT 16:35 MST ON MAY 29	1 080 ON MAY 29	30.1 B ON JAN 12	4 450 000	1980
1981	1 720 AT 02:30 MST ON MAY 25	1 690 ON MAY 25	22.0 B ON NOV 26	6 930 000	1981
1982	657 AT 06:46 MST ON JUN 20	635 ON JUN 20	35.0 B ON JAN 02	3 920 000	1982
1983	388 AT 02:23 MST ON JUN 03	380 ON JUN 03	27.0 ON SEP 27	2 790 000	1983
1984	260 AT 21:09 MST ON JUL 03	244 ON JUL 03	8.50B ON NOV 01 *	2 100 000	1984
1985	407 AT 10:35 MST ON SEP 16	370 ON SEP 16	11.8 ON SEP 06	2 940 000	1985
1986	872 AT 23:07 MST ON JUN 02	849 ON JUN 04	23.0 B ON NOV 13	5 170 000	1986
1987	314 AT 15:20 MST ON JUL 26	302 ON JUL 26	17.0 B ON DEC 16	3 290 000	1987
1988	292 AT 18:25 MST ON JUN 12	280 ON JUN 12	17.8 ON OCT 04	2 060 000	1988
1989	496 AT 10:25 MST ON JUN 14	486 ON JUN 14	37.5 ON MAY 04	3 450 000	1989
1990	1 380 AT 08:25 MST ON JUN 05	1 360 ON JUN 05	24.4 B ON NOV 27	5 910 000	1990
				6 110 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	2.47	1.65	---	---	---	---	1914
1915	---	---	---	---	---	---	12.1	4.13	2.16	---	---	---	---	1915
1916	---	---	---	---	---	---	---	4.97	4.04	2.27	---	---	---	1916
1917	---	---	---	---	---	---	---	2.67	---	---	---	---	---	1917
1918	---	---	---	---	1.69	5.13	2.70	2.08	1.54	---	---	---	---	1918
1919	---	---	---	---	2.38	3.44	2.45	2.62	1.56	---	---	---	---	1919
1921	---	---	---	---	2.49	5.03	3.82	2.07	1.34	1.18	---	---	---	1921
1922	---	---	---	0.640	1.63	4.09	2.77	2.02	1.38	1.03	---	---	---	1922
1924	---	---	---	---	---	4.00	4.00	3.20	1.67	1.24	1.06	0.963	---	1924
1925	0.716	0.751	0.690	0.974	2.38	5.06	3.19	2.67	2.24	1.74	1.24	1.05	1.90	1925
1926	0.906	0.857	0.813	1.04	1.35	2.09	2.28	1.31	1.17	1.94	1.42	1.18	1.53	1926
1927	0.927	0.818	0.782	0.772	1.49	7.20	5.59	3.54	2.80	1.73	1.49	1.17	2.36	1927
1928	1.11	0.987	0.852	0.912	3.77	8.07	6.21	2.73	1.78	1.38	1.16	1.05	2.50	1928
1929	0.883	0.691	0.781	0.837	1.52	6.00	2.87	1.81	1.44	1.17	1.01	0.945	1.66	1929
1930	0.742	0.734	0.760	1.04	2.22	5.72	4.34	2.11	1.71	1.31	1.08	0.903	1.89	1930
1931	0.803	0.721	0.656	---	---	---	2.08	1.44	1.26	1.10	0.972	0.901	---	1931
1932	0.842	---	---	---	---	8.59	3.62	2.30	2.13	1.46	1.03	0.880	---	1932
1933	0.767	0.660	0.672	0.719	1.76	4.67	4.02	2.38	1.69	1.28	0.950	0.864	1.71	1933
1934	0.778	0.661	0.681	1.02	2.64	3.34	2.18	1.41	1.21	1.16	0.902	0.803	1.40	1934
1935	0.737	0.635	0.604	0.673	1.34	3.60	4.06	2.81	1.62	1.24	0.891	0.725	1.58	1935
1936	0.622	0.579	0.623	1.01	1.82	3.56	1.75	1.23	0.939	0.905	0.765	0.707	1.21	1936
1937	0.622	0.609	0.595	0.609	1.20	3.91	3.22	2.08	1.42	1.29	1.27	1.13	1.50	1937
1938	1.00	1.02	1.12	1.09	2.44	5.38	3.84	1.75	1.34	1.01	0.809	0.707	1.80	1938
1939	0.637	0.613	0.666	0.681	1.50	2.93	3.23	1.60	1.49	1.34	---	---	---	1939
MEAN	0.811	0.739	0.735	0.858	1.99	4.83	3.82	2.39	1.81	1.36	1.07	0.932	1.75	MEAN

LOCATION - LAT 50 53 00 N DRAINAGE AREA, 117 km²
LONG 115 22 00 W NATURAL FLOW

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	14.8 ON JUN 29	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	10.2 ON JUN 14	---	---	1918
1919	---	6.23 ON MAY 27	---	---	1919
1921	---	7.36 ON JUN 08	---	---	1921
1922	---	5.83 ON JUN 05	---	---	1922
1924	---	7.93 ON JUL 02	---	---	1924
1925	---	7.73 ON JUN 22	0.631 ON MAR 28	59 800	1925
1926	---	4.96 ON SEP 03	0.779 ON MAR 22	48 300	1926
1927	---	10.9 ON JUN 11	0.722 ON APR 13	74 600	1927
1928	---	12.0 ON JUN 28	0.810 ON MAR 15	79 200	1928
1929	---	11.4 ON JUN 05	0.680B ON JAN 29	52 500	1929
1930	---	7.96 ON JUN 09	0.651B ON JAN 20	59 700	1930
1931	---	---	---	---	1931
1932	---	25.5 ON JUN 03 *	---	---	1932
1933	---	9.49 ON JUN 17	0.589 ON APR 18	53 900	1933
1934	---	5.32 ON MAY 30	0.623E ON FEB 16	44 200	1934
1935	---	4.87 ON JUN 23	0.595B ON MAR 11	50 000	1935
1936	---	7.96 ON JUN 02	0.566B ON FEB 06 *	38 200	1936
1937	---	6.54 ON JUN 17	0.595B ON JAN 21	47 400	1937
1938	---	6.54 ON JUN 22	0.680E ON DEC 21	56 800	1938
1939	---	5.32 ON JUN 23	0.595E ON FEB 06	---	1939
				55 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	4.54	9.41	6.05	12.9	20.7	---	1975
1976	18.3	16.5	15.3	11.3	14.6	22.5	16.1	6.50	9.78	11.8	15.3	7.37	13.7	1976
1977	18.6	18.9	9.31	9.10	9.08	1.43	0.969	3.00	7.25	7.13	8.53	10.1	8.56	1977
1978	13.7	14.7	16.9	16.2	7.73	6.30	5.73	5.42	12.3	13.1	11.8	15.1	11.6	1978
1979	22.5	29.0	25.4	10.3	5.51	0.915	3.99	2.43	0.283	3.37	4.91	6.01	9.45	1979
1980	10.8	7.87	7.25	6.52	5.47	21.6	13.7	9.98	8.34	8.16	10.3	15.8	10.5	1980
1981	19.3	19.5	10.6	17.3	23.4	28.7	30.9	31.5	20.4	0.567	0.868	7.20	18.2	1981
1982	18.4	11.6	5.62	3.79	1.30	4.75	9.63	6.84	5.08	10.2	15.8	19.1	9.34	1982
1983	20.6	15.7	12.9	9.24	6.80	6.48	4.27	10.2	0.405	9.15	10.5	15.7	10.0	1983
1984	18.2	18.0	11.4	9.12	6.95	4.01	3.74	3.17	3.40	5.26	12.6	18.5	9.50	1984
1985	16.9	14.7	17.0	15.5	4.95	6.54	6.46	3.08	2.93	2.82	11.2	10.6	9.34	1985
1986	14.5	18.1	14.6	6.80	8.19	17.2	13.7	10.5	5.90	3.67	12.1	16.6	11.8	1986
1987	14.2	18.4	15.5	15.7	21.8	7.68	2.42	1.62	2.01	5.48	8.83	10.1	10.3	1987
1988	14.7	14.1	12.6	13.1	14.4	12.5	18.3	6.48	7.09	4.13	10.1	8.18	11.3	1988
1989	8.14	9.18	9.41	9.63	8.71	15.2	10.4	12.4	13.1	7.41	9.36	8.98	10.2	1989
1990	9.87	9.80	9.66	9.82	9.48	25.3	30.5	18.0	7.93	9.70	11.9	11.6	13.7	1990
MEAN	15.9	15.7	13.4	10.9	9.82	12.1	11.4	8.48	7.23	6.75	10.4	12.6	11.2	MEAN

LOCATION - LAT 51 05 20 N
LONG 115 22 25 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	32.3 ON JUN 04	0.283 ON MAR 07	435 000	1976
1977	---	27.8 ON JAN 31	0.283 ON MAR 19	270 000	1977
1978	---	24.4 ON DEC 11	0.283 ON MAY 06	365 000	1978
1979	---	32.3 ON FEB 14	0.283 ON MAY 29	298 000	1979
1980	---	34.8 ON JUN 19	0.283 ON MAY 18	332 000	1980
1981	---	37.4 ON SEP 11 *	0.283 ON MAY 10	574 000	1981
1982	---	27.8 ON JAN 21	0.283 ON MAR 12	294 000	1982
1983	---	25.5 ON AUG 07	0.283 ON MAY 22	317 000	1983
1984	---	24.4 ON FEB 14	0.283 ON JUN 01	300 000	1984
1985	---	22.9 ON MAR 22	0.283 ON MAY 03	295 000	1985
1986	---	25.3 ON JUN 19	0 ON MAY 19 *	372 000	1986
1987	---	32.9 ON MAY 20	0 ON JUN 06	323 000	1987
1988	---	26.9 ON JUL 24	0 ON MAY 03	357 000	1988
1989	---	21.9 ON JUN 19	1.90 ON JUL 16	320 000	1989
1990	---	35.3 ON JUL 17	0.255 ON MAR 25	431 000	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		352 000	MEAN

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO. 05BC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	13.1	7.32	---	0.164	---	---	1974
MEAN	---	---	---	---	---	---	---	13.1	7.32	---	0.164	---	---	MEAN

LOCATION - LAT 50 53 25 N
LONG 115 22 45 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO. 05BC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	0E ON JUL 20 *	---	1974
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SPRAY RIVER AT BANFF - STATION NO. 05BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	22.2	13.9	12.5	---	---	---	1910
1911	5.64	4.12	4.04	4.41	11.0	57.0	43.1	23.5	15.4	8.94	6.40	5.91	15.8	1911
1912	4.25	3.99	3.06	3.78	14.6	39.7	39.6	25.7	18.8	12.1	7.69	6.74	16.0	1912
1913	5.71	4.28	4.14	5.40	15.2	60.8	29.5	25.7	19.9	12.6	8.46	6.38	16.5	1913
1914	5.54	4.72	4.73	5.09	21.6	55.0	49.2	21.9	13.9	15.1	9.42	5.20	17.7	1914
1915	5.17	5.07	4.88	7.82	19.1	33.9	41.8	26.3	14.4	10.3	7.28	5.48	15.2	1915
1916	5.20	4.58	4.46	5.14	12.6	61.2	66.4	32.2	24.8	11.6	7.72	5.08	20.1	1916
1917	4.62	4.48	3.98	4.06	17.5	40.5	42.0	21.3	11.7	8.75	5.71	5.24	14.2	1917
1918	4.99	3.72	3.73	5.10	16.0	58.1	30.4	20.8	12.5	9.07	6.49	5.87	14.8	1918
1919	4.44	3.85	3.68	4.48	28.1	41.5	27.4	21.5	12.3	7.07	5.52	3.73	13.7	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	10.4	5.94	4.80	13.8	1920
1921	3.23	3.02	2.48	4.10	22.1	48.9	36.4	18.8	10.3	8.25	6.52	5.20	14.4	1921
1922	4.36	3.39	2.87	3.32	14.7	40.4	24.0	16.6	11.3	7.53	5.55	4.70	11.6	1922
1923	4.26	3.96	4.38	4.54	14.8	65.2	34.9	19.4	14.5	8.00	6.08	5.00	15.2	1923
1924	4.61	4.83	4.18	3.14	19.9	31.5	28.9	20.5	13.5	9.01	6.15	5.14	12.6	1924
1925	3.87	3.63	3.57	6.26	31.3	51.8	31.7	20.8	14.7	10.0	6.37	4.94	15.8	1925
1926	3.80	4.21	3.60	7.04	14.1	20.2	18.9	12.0	19.0	14.4	8.96	4.38	10.9	1926
1927	3.00	3.34	3.81	4.58	11.0	60.9	45.9	22.5	19.2	15.9	9.19	6.23	17.2	1927
1928	4.34	4.35	4.83	5.80	34.5	53.3	43.5	19.0	12.1	8.81	6.38	4.86	16.9	1928
1929	4.13	3.25	3.50	3.60	11.7	48.3	25.2	16.6	11.7	8.72	5.63	5.77	12.4	1929
1930	4.26	3.93	4.02	8.45	22.0	44.9	35.7	20.1	13.6	9.43	6.01	3.94	14.7	1930
1931	3.46	3.42	3.59	3.84	19.1	40.6	27.0	15.1	11.7	7.95	6.03	4.79	12.3	1931
1932	3.16	2.74	3.82	3.47	20.3	71.5	32.4	19.7	14.0	7.94	5.75	4.46	15.8	1932
1933	4.29	4.16	3.98	4.12	16.1	67.7	49.3	23.9	14.7	10.6	7.84	5.03	17.6	1933
1934	3.61	3.40	3.73	12.3	35.9	36.4	24.1	15.8	11.8	9.33	7.02	4.40	14.0	1934
1935	3.65	3.34	3.55	3.42	13.3	47.6	41.3	23.1	12.0	7.34	5.76	4.01	14.1	1935
1936	3.83	3.39	4.58	5.39	21.6	32.7	20.2	13.0	9.22	6.22	4.15	4.14	10.7	1936
1937	3.02	3.04	3.56	5.74	14.1	37.4	30.7	16.1	10.6	6.90	8.88	5.53	12.2	1937
1938	4.72	2.93	4.23	5.73	22.5	55.5	33.7	13.4	9.14	6.91	4.62	3.17	13.7	1938
1939	2.69	2.52	3.45	3.25	21.6	30.8	31.4	15.1	11.5	10.2	7.06	4.55	12.1	1939
1940	3.70	3.40	3.50	3.69	22.9	37.3	22.4	12.5	13.4	7.74	5.51	4.17	11.7	1940
1941	3.47	3.09	2.99	4.95	16.1	30.8	16.9	11.7	12.9	8.96	7.03	5.14	10.4	1941
1942	4.42	4.21	3.74	3.71	22.4	36.5	34.9	18.0	12.6	8.47	5.84	4.96	13.4	1942
1943	5.06	3.86	2.89	5.81	10.5	29.9	43.7	20.6	10.1	6.76	5.59	4.61	12.5	1943
1944	3.60	2.91	3.09	3.73	14.4	24.4	14.9	16.2	11.4	9.02	5.88	4.44	9.51	1944
1945	3.67	3.27	3.26	3.12	11.3	36.8	30.0	14.7	10.5	8.99	6.58	4.73	11.4	1945
1946	4.11	2.90	3.13	2.86	22.6	52.9	35.4	15.5	13.3	8.40	6.17	4.19	14.4	1946
1947	3.43	3.02	3.98	6.29	30.1	50.4	36.8	18.9	16.7	13.9	9.77	6.49	16.7	1947
1948	5.55	4.09	3.92	5.41	35.8	59.7	30.5	24.9	11.9	8.06	6.34	5.72	16.9	1948
1949	4.58	3.64	3.65	4.95	19.5	26.4	16.3	13.4	11.5	2.04	1.71	1.39	9.11	1949
1950	1.08	1.08	0.912	0.931	2.31	9.92	8.81	7.56	6.56	6.14	5.76	5.28	4.71	1950
1951	6.14	12.0	24.9	29.4	14.6	15.6	35.1	22.0	16.3	8.39	5.65	5.01	16.3	1951
1952	3.24	2.96	3.58	4.57	8.22	10.1	8.59	6.55	5.92	4.53	3.83	3.37	5.46	1952
1953	3.57	3.73	3.78	3.81	5.69	12.2	9.75	6.74	5.29	4.86	3.82	2.53	5.34	1953
1954	2.03	1.31	0.741	2.04	5.16	10.1	9.35	8.70	5.07	2.63	1.81	1.22	4.20	1954
1955	1.13	1.37	1.35	1.80	2.80	8.59	6.58	6.20	3.83	1.66	1.68	1.16	3.18	1955
1956	0.806	0.549	0.492	1.28	5.47	8.16	5.32	4.95	3.32	1.63	1.27	1.02	2.86	1956
1957	0.923	0.523	0.706	1.39	6.00	6.10	6.30	5.97	3.44	1.85	1.44	1.06	2.99	1957
1958	0.677	0.437	0.736	0.933	4.37	6.15	5.91	6.20	4.15	1.33	1.13	1.13	2.78	1958
1959	0.661	0.946	0.852	0.868	3.35	8.30	6.04	5.87	3.64	2.02	1.43	1.45	2.96	1959
1960	1.14	1.07	1.06	1.19	2.73	6.67	7.00	6.88	4.76	1.47	1.75	0.939	3.06	1960
1961	1.42	0.986	0.883	0.887	6.43	9.64	5.62	5.56	3.79	2.27	1.43	0.964	3.34	1961
1962	0.914	0.865	0.873	1.30	2.61	6.18	5.54	5.65	3.30	1.44	1.06	1.02	2.57	1962
1963	1.16	1.37	1.44	1.58	3.37	6.81	6.18	5.93	3.70	1.82	1.31	0.882	2.97	1963
1964	1.07	0.663	0.762	0.967	2.95	12.0	6.82	5.59	4.00	2.42	2.09	1.54	3.40	1964
1965	1.13	1.28	1.11	1.42	2.67	8.95	7.77	5.96	3.98	2.73	1.94	1.59	3.39	1965
1966	1.43	1.11	1.18	1.60	5.48	9.20	7.36	6.61	3.13	1.75	1.16	1.46	3.49	1966
1967	1.12	1.21	1.32	1.22	2.84	12.0	6.68	5.77	2.95	1.64	1.10	1.07	3.27	1967
1968	0.653	0.751	0.928	0.895	1.80	6.08	5.82	5.86	2.73	1.51	1.22	0.914	2.44	1968
1969	1.01	0.891	0.941	1.43	4.75	7.20	7.55	5.41	3.46	2.41	2.38	1.20	3.23	1969
1970	0.914	0.943	0.975	0.926	1.81	7.00	5.80	5.75	3.39	1.30	1.11	0.993	2.58	1970
1971	0.891	0.897	0.812	0.975	4.67	8.38	5.78	5.51	2.88	1.51	1.12	0.751	2.68	1971
1972	0.895	0.911	1.07	1.08	4.37	9.61	5.98	6.41	3.29	1.72	1.43	1.60	3.37	1972
1973	3.12	2.20	2.45	2.39	4.89	9.44	6.60	5.83	4.92	3.04	2.89	2.68	4.21	1973
1974	2.69	1.74	1.55	1.76	4.20	13.1	12.4	21.0	14.9	6.22	2.87	0.950	6.99	1974
1975	0.789	0.725	0.754	0.973	2.01	5.40	6.28	5.92	2.66	1.93	1.76	1.62	2.58	1975
1976	1.55	1.24	0.754	1.05	4.87	6.60	6.42	6.10	3.50	2.10	1.62	1.52	3.12	1976
1977	1.25	1.05	0.797	1.33	2.74	8.07	4.50	4.54	2.75	1.82	1.43	1.38	2.39	1977
1978	1.18	1.20	1.08	1.33	3.17	8.08	5.45	5.93	2.72	2.34	1.84	1.27	2.79	1978
1979	1.36	1.19	1.32	1.46	2.88	5.08	3.74	3.20	4.29	1.97	1.28	0.849	2.39	1979
1980	0.934	1.28	1.21	1.89	5.99	8.45	3.69	2.95	2.62	2.29	1.44	1.26	2.83	1980
1981	1.84	1.14	1.26	1.48	6.74	7.68	7.90	5.01	3.70	2.15	1.43	1.28	3.43	1981
1982	1.45	1.59	1.47	1.61	3.31	8.21	5.58	4.76	2.89	2.46	1.18	1.60	3.10	1982
1983	1.35	1.59	1.38	1.85	3.13	5.04	4.12	4.09	3.12	2.12	1.87	1.47	2.68	1983
1984	1.23	1.37	2.03	2.07	2.36	5.84	3.88	2.54	2.37	2.03	2.10	1.71	2.46	1984
1985	1.35	1.65	1.43	2.34	4.36	5.84	4.10	3.83	4.21	3.18	2.34	2.34	3.09	1985
1986	2.58	2.41	2.34	2.24	5.79	9.29	6.32	4.71	3.64	3.76	2.96	2.38	4.04	1986
1987	2.72	2.32	2.13	2.39	4.85	5.12	4.23	3.82	3.28	2.83	2.54	2.33	3.22	1987
1988	1.87	1.84	2.25	2.80	4.71	6.54	4.39	3.91	3.24	3.12	3.01	2.38	3.34	1988
1989	1.71	1.95	2.32	1.76	3.07	5.61	3.88	3.68	3.43	2.26	2.12	1.93	2.81	1989
1990	1.62	1.37	1.72	2.00	5.22	12.9	8.54	4.05	2.85	2.61	2.52	1.57	3.92	1990
MEAN	2.85	2.63	2.82	3.53	11.6	26.1	20.1	12.6	8.78	5.98	4.24	3.26	8.71	MEAN

LOCATION - LAT 51 09 35 N DRAINAGE AREA, 749 km²
LONG 115 33 16 W REGULATED SINCE 1949

SPRAY RIVER AT BANFF - STATION NO. 05BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	74.8 ON JUN 18	3.28 ON APR 04	499 000	1911
1912	---	71.6 ON JUN 17	2.12 ON MAR 29	476 000	1912
1913	---	83.8 ON JUN 11	3.65 B ON MAR 21	521 000	1913
1914	---	86.1 ON JUN 19	3.57 B ON MAR 26	558 000	1914
1915	---	65.1 E ON JUN 26	4.19 ON MAR 27	479 000	1915
1916	---	127 ON JUN 20	3.88 B ON MAR 02	636 000	1916
1917	---	67.7 ON JUN 17	3.65 B ON MAR 18	448 000	1917
1918	---	112 ON JUN 14	3.00 B ON FEB 19	465 000	1918
1919	---	83.3 ON MAY 29	3.11 B ON DEC 30	432 000	1919
1920	---	86.1 ON JUL 03	1.90 B ON MAR 03	437 000	1920
1921	---	68.2 ON JUN 08	2.38 B ON JAN 29	453 000	1921
1922	---	61.2 ON JUN 05	2.55 B ON MAR 21	365 000	1922
1923	---	131 ON JUN 14	3.71 B ON JAN 31	480 000	1923
1924	---	54.9 ON JUL 04	2.66 ON APR 15	400 000	1924
1925	---	70.8 ON JUN 22	3.28 ON APR 02	498 000	1925
1926	---	43.0 ON SEP 01	2.83 B ON MAR 27	344 000	1926
1927	---	88.3 ON JUN 11	4.72 B ON APR 08	542 000	1927
1928	---	82.1 ON MAY 27	3.99 B ON FEB 21	533 000	1928
1929	---	69.7 ON JUN 04	2.58 B ON APR 05	390 000	1929
1930	---	60.6 ON JUN 11	3.60 B ON DEC 30	465 000	1930
1931	---	54.7 ON JUN 10	2.78 ON MAR 27	387 000	1931
1932	---	143 ON JUN 03	1.61 B ON MAR 02	498 000	1932
1933	---	156 ON JUN 17 *	3.14 ON APR 18	555 000	1933
1934	---	81.3 ON MAY 30	2.35 ON MAR 28	443 000	1934
1935	---	61.4 ON JUN 22	2.55 B ON DEC 30	444 000	1935
1936	---	67.7 ON JUN 01	1.42 B ON JAN 18	338 000	1936
1937	---	49.8 ON JUN 23	1.76 ON APR 12	385 000	1937
1938	---	77.6 ON MAY 27	1.98 B ON DEC 26	433 000	1938
1939	---	53.0 ON MAY 30	1.90 B ON FEB 10	381 000	1939
1940	---	48.7 ON MAY 25	1.73 ON APR 11	370 000	1940
1941	---	45.0 ON JUN 09	2.46 B ON JAN 24	326 000	1941
1942	---	60.0 ON JUL 03	2.89 B ON JAN 01	422 000	1942
1943	---	66.5 ON JUL 10	2.44 B ON MAR 15	395 000	1943
1944	---	32.0 ON JUN 13	2.41 B ON JAN 27	301 000	1944
1945	---	58.9 ON JUN 22	2.80 B ON MAR 05	361 000	1945
1946	---	78.4 ON MAY 29	2.38 B ON FEB 08	455 000	1946
1947	---	56.1 ON JUN 02	3.26 B ON JAN 01	528 000	1947
1948	127 AT 04:00 MST ON MAY 24	118 ON MAY 24	3.31 B ON MAR 10	533 000	1948
1949	42.2 AT 12:00 MST ON JUN 07	39.9 ON JUN 07	1.27 B ON DEC 04	287 000	1949
1950	24.0 AT 06:00 MST ON JUN 15	19.9 ON JUN 15	0.694A ON APR 04	149 000	1950
1951	---	55.8 ON JUL 29	3.96 B ON DEC 31	514 000	1951
1952	17.0 AT 23:30 MST ON JUN 26	14.3 ON JUN 27	2.58 B ON FEB 03	173 000	1952
1953	35.4 AT 23:30 MST ON JUN 17	21.0 ON JUN 13	0.906A ON NOV 29	168 000	1953
1954	24.1 AT 17:00 MST ON AUG 25	19.5 ON AUG 27	0.538B ON FEB 28	132 000	1954
1955	19.9 AT 21:00 MST ON JUN 12	16.0 ON JUN 12	0.736B ON JAN 16	100 000	1955
1956	15.5 AT 04:00 MST ON JUN 05	14.9 ON JUN 05	0.368B ON MAR 11	90 400	1956
1957	9.26 AT 14:00 MST ON JUL 06	8.75 ON JUL 06	0.396B ON MAR 04	94 400	1957
1958	17.8 AT 02:00 MST ON MAY 22	7.96 ON JUN 28	0.283B ON FEB 24 *	87 600	1958
1959	10.7 AT 04:00 MST ON JUN 14	10.3 ON JUN 14	0.595B ON JAN 17	93 400	1959
1960	11.0 ON AUG 02	10.1 ON AUG 02	0.850B ON DEC 13	96 800	1960
1961	24.4 AT 22:00 MST ON MAY 27	21.4 ON MAY 28	0.821B ON MAR 19	105 000	1961
1962	7.76 AT 03:00 MST ON JUN 18	7.45 ON JUN 18	0.634B ON NOV 29	81 100	1962
1963	9.88 AT 10:00 MST ON JUL 25	7.96 ON JUN 16	0.708B ON DEC 21	93 700	1963
1964	24.4 AT 14:15 MST ON JUN 08	20.0 ON JUN 08	0.467B ON FEB 27	108 000	1964
1965	---	19.4 ON JUN 18	1.06 B ON MAR 31	107 000	1965
1966	---	17.0 ON JUN 01	1.02 B ON FEB 22	110 000	1966
1967	---	15.8 ON JUN 03	0.906B ON DEC 31	103 000	1967
1968	8.52 AT 22:20 MST ON JUN 05	7.56 ON JUN 26	0.429B ON JAN 30	77 000	1968
1969	---	13.2 ON JUL 05	0.878B ON JAN 31	102 000	1969
1970	16.4 AT 05:56 MST ON JUN 16	14.9 ON JUN 16	0.821B ON JAN 15	81 500	1970
1971	14.8 AT 08:00 MST ON JUN 06	14.2 ON JUN 06	0.538B ON DEC 01	90 700	1971
1972	181 B AT 14:00 MST ON DEC 19 *	43.9 B ON DEC 19	0.838 ON APR 23	107 000	1972
1973	14.2 AT 04:00 MST ON JUN 24	13.8 ON JUN 24	1.93 B ON JAN 01	133 000	1973
1974	63.7 AT 22:10 MST ON JUL 29	30.0 ON JUL 29	0.680B ON DEC 28	220 000	1974
1975	9.12 AT 02:00 MST ON JUL 14	7.62 ON JUL 14	0.481B ON FEB 24	81 400	1975
1976	9.68 AT 02:00 MST ON JUL 01	9.17 ON JUL 01	0.541B ON APR 02	98 600	1976
1977	9.03 AT 22:30 MST ON JUN 08	8.50 ON JUN 08	0.680B ON MAR 15	75 500	1977
1978	12.4 AT 21:30 MST ON JUN 05	11.2 ON JUN 09	1.02 ON MAR 29	87 900	1978
1979	9.84 AT 01:00 MST ON MAY 27	8.09 ON MAY 27	0.575B ON NOV 29	75 300	1979
1980	12.3 AT 21:55 MST ON JUN 10	11.4 ON MAY 26	0.679B ON JAN 01	89 600	1980
1981	16.9 AT 22:10 MST ON MAY 25	15.7 ON MAY 26	0.960B ON FEB 09	108 000	1981
1982	11.6 AT 01:00 MST ON JUN 16	11.0 ON JUN 16	1.15 B ON JAN 07	97 700	1982
1983	7.72 AT 23:55 MST ON MAY 29	7.03 ON MAY 30	1.17 B ON JAN 03	84 500	1983
1984	9.84 AT 20:35 MST ON JUN 29	9.01 ON JUN 29	0.900B ON JAN 21	77 800	1984
1985	9.25 AT 09:35 MST ON MAY 25	8.72 ON MAY 25	1.05 B ON JAN 31	97 300	1985
1986	20.6 AT 21:36 MST ON MAY 28	17.4 ON MAY 28	1.75 B ON DEC 19	128 000	1986
1987	9.21 AT 15:10 MST ON JUN 16	7.64 ON JUN 16	1.50 B ON DEC 16	102 000	1987
1988	11.8 AT 02:45 MST ON JUN 08	10.3 ON JUN 08	1.50 B ON JAN 31	106 000	1988
1989	8.06 AT 09:45 MST ON JUN 16	7.79 ON JUN 16	1.04 B ON JAN 31	88 700	1989
1990	19.1 AT 13:25 MST ON JUN 01	17.5 ON JUN 02	1.08 B ON FEB 20	124 000	1990
				275 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO. 05BC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	---	---	---	---	---	3.06	---	1932
1933	2.75	2.43	2.21	2.30	10.6	---	---	---	---	---	---	---	---	1933
1948	---	---	---	---	---	44.4	21.6	17.7	8.89	6.00	---	---	---	1948
1949	---	---	---	---	16.2	21.0	14.6	11.4	9.22	---	---	---	---	1949
MEAN	2.75	2.43	2.21	2.30	13.4	32.7	18.1	14.6	9.06	6.00	---	3.06	---	MEAN

LOCATION - LAT 50 53 00 N LONG 115 22 00 W DRAINAGE AREA, 487 km² NATURAL FLOW

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO. 05BC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1948	---	85.2 ON MAY 24 *	---	---	1948
1949	---	34.3 ON JUN 07	---	---	1949
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SPRAY RIVER NEAR SPRAY LAKES - STATION NO. 05BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	32.9	13.2	7.18	---	---	---	---	1915
1916	---	---	---	---	---	---	---	16.8	13.7	6.87	---	---	---	1916
1917	---	---	---	---	---	---	---	12.7	---	---	---	---	---	1917
1918	---	---	---	---	10.4	37.5	19.7	11.7	7.60	---	---	---	---	1918
1919	---	---	---	---	18.8	29.2	17.7	12.7	7.93	---	---	---	---	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	---	---	---	---	1920
1921	---	---	---	---	12.7	29.8	22.7	11.6	5.94	4.76	---	---	---	1921
1922	---	---	---	1.24	10.3	31.2	18.1	11.7	7.18	4.23	---	---	---	1922
1924	---	---	---	---	---	24.0	20.0	12.7	6.91	4.38	2.69	2.23	---	1924
1925	1.63	1.52	1.28	2.57	21.2	33.7	19.6	12.7	9.24	5.74	3.27	2.35	9.61	1925
1926	1.61	1.55	1.39	4.23	9.52	14.1	13.0	7.77	10.5	7.73	4.55	2.64	6.58	1926
1927	2.02	1.59	1.25	1.61	5.34	41.4	30.4	13.8	11.8	7.58	5.01	2.93	10.4	1927
1928	1.87	1.89	1.72	2.07	22.6	35.8	27.0	11.8	6.30	4.08	2.60	2.10	10.0	1928
1929	1.55	1.11	1.62	1.30	8.16	32.1	15.9	9.15	5.63	3.71	2.11	1.73	7.02	1929
1930	1.49	1.22	1.25	2.68	13.9	35.2	26.2	11.2	6.54	4.07	2.06	1.68	9.00	1930
1931	1.43	1.43	1.53	---	---	---	16.6	9.04	6.67	3.71	2.68	2.34	---	1931
1932	1.60	---	---	---	---	37.2	19.8	12.0	7.69	3.99	2.36	1.79	---	1932
1933	1.54	1.30	1.09	1.19	8.49	44.2	25.8	15.3	7.19	4.76	3.57	2.23	10.6	1933
1934	1.78	1.61	1.26	5.96	27.2	27.4	17.0	9.44	5.79	4.09	2.98	1.80	8.91	1934
1935	1.49	1.37	1.18	1.06	6.32	33.0	29.8	14.9	6.43	3.59	2.58	1.66	8.65	1935
1936	1.21	1.22	1.08	3.07	16.4	24.1	13.3	7.68	4.25	3.06	2.17	1.67	6.68	1936
1937	1.32	1.24	1.32	1.27	8.19	22.6	19.9	10.3	6.02	5.16	4.35	4.60	7.05	1937
1938	2.38	1.69	2.05	2.02	12.3	36.4	19.5	8.27	6.34	4.44	2.82	2.01	8.37	1938
1939	1.61	1.52	1.65	1.72	16.2	20.5	19.9	9.49	6.88	4.55	---	---	---	1939
MEAN	1.74	1.55	1.53	2.34	13.1	31.1	23.3	11.9	7.66	4.76	3.07	2.12	8.57	MEAN

LOCATION - LAT 50 53 00 N LONG 115 22 00 W DRAINAGE AREA, 360 km² NATURAL FLOW

SPRAY RIVER NEAR SPRAY LAKES - STATION NO. 05BC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	43.6E ON JUL 08	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	80.1 ON JUN 14	---	---	1918
1919	---	59.5 ON MAY 27	---	---	1919
1920	---	86.1 ON JUL 03	---	---	1920
1921	---	42.2 ON JUN 08	---	---	1921
1922	---	44.5 ON JUN 05	---	---	1922
1924	---	38.8E ON JUL 04	---	---	1924
1925	---	44.5E ON JUN 24	1.05 B ON DEC 21	303 000	1925
1926	---	27.3 ON SEP 01	0.816B ON MAR 25	207 000	1926
1927	---	57.7 ON JUN 10	1.02 B ON MAR 30	329 000	1927
1928	---	52.1 ON MAY 23	1.25 B ON FEB 29	316 000	1928
1929	---	54.1 ON JUN 02	0.782B ON APR 09	221 000	1929
1930	---	50.1 ON JUN 09	0.949B ON MAR 20	284 000	1930
1931	---	---	---	---	1931
1932	---	101 ON JUN 03 *	---	---	1932
1933	---	86.7 ON JUN 17	0.770 ON APR 08	334 000	1933
1934	---	67.7 ON MAY 30	1.22 E ON MAR 29	281 000	1934
1935	---	41.9E ON JUN 29	0.850E ON APR 06	273 000	1935
1936	---	52.4 ON JUN 01	0.708B ON FEB 12 *	211 000	1936
1937	---	35.7 ON JUL 01	1.13 E ON APR 01	222 000	1937
1938	---	48.1 ON JUN 22	1.61 E ON FEB 11	264 000	1938
1939	---	50.1 ON MAY 29	---	---	1939
				270 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.062	0.001	0	0	0	0	0.004	---	1967
1968	0.001	0.001	0.005	---	---	---	---	0.010	---	---	---	0.006	---	1968
1969	---	---	0.003	0.544	0.153	0.015	0.002	0.002	0.012	0.015	---	0.005	0.105	1969
1970	0.004	0.001	0.003	0.359	0.217	0.021	0.003	0	0	0	---	---	0.085	1970
1971	---	---	0	0.166	0.081	0.517	0.450	0.005	0.001	0.006	---	---	0.174	1971
1972	---	---	0.010	0.620	0.282	0.394	0.097	0.006	0.004	0.018	---	---	0.201	1972
1973	---	---	0.001	0.454	0.266	0.311	0.047	0.015	0.017	0.048	---	---	0.164	1973
1974	---	---	0	1.23	0.663	0.036	0.010	0	0.002	0.003	---	---	0.275	1974
1975	---	---	---	0.141	0.163	0.058	0.046	0.007	0.012	0.019	---	---	0.063	1975
1976	---	---	---	0.600	0.115	0.925	0.223	1.25	0.154	0.046	---	---	0.473	1976
1977	---	---	---	---	0.782	0.231	0.412	0.068	0.037	0.078	---	---	---	1977
1978	---	---	---	0.416	0.331	0.418	0.033	0.006	0.059	0.045	---	---	0.185	1978
1979	---	---	---	---	0.912	0.686	0.072	0.004	0.034	0.002	---	---	---	1979
1980	---	---	---	0.130	0.050	0.217	0.063	0.015	0.028	0.016	---	---	0.073	1980
1981	---	---	---	0.383	0.108	0.036	0.007	0.001	0.001	0	---	---	0.076	1981
1982	---	---	---	---	0.210	0.006	0.063	0.297	0.015	0.014	---	---	---	1982
1983	---	---	---	0.021	0.033	0.260	1.19	0.065	0.015	0.014	---	---	0.230	1983
1984	---	---	---	0.104	0.864	0.157	0.024	0.001	0.059	0.046	---	---	0.180	1984
1985	---	---	---	0.550	0.104	0.021	0.001	0	0.070	0.109	---	---	0.121	1985
1986	---	---	---	0.682	0.442	0.025	0.048	0.004	0.006	0.041	---	---	0.178	1986
1987	---	---	---	0.096	0.035	0.012	0.004	0.343	0.039	0.012	---	---	0.078	1987
MEAN	0.003	0.001	0.003	0.406	0.306	0.220	0.140	0.100	0.028	0.027	0	0.005	0.166	MEAN

LOCATION - LAT 54 55 46 N
LONG 117 42 20 W
DRAINAGE AREA, 33.4 km^2
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07GF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUL 06 *	---	1967
1968	---	---	0 ON AUG 16	---	1968
1969	1.80 AT 16:00 MST ON APR 14	1.59 ON APR 14	0 ON SEP 11	1 940	1969
1970	1.08 AT 20:00 MST ON APR 21	0.988 ON APR 21	0 ON AUG 08	1 590	1970
1971	3.97 AT ON JUL 12	3.26 ON JUL 12	0 ON SEP 11	3 230	1971
1972	5.64 AT 04:00 MST ON JUN 26	4.53 ON JUN 26	0 ON SEP 09	3 720	1972
1973	1.60 AT 03:00 MST ON APR 24	1.57 ON APR 24	0.001 ON SEP 08	3 030	1973
1974	4.96 AT 22:00 MST ON APR 24	4.50 ON APR 24	0 ON AUG 05	5 090	1974
1975	---	0.682 ON APR 28	0 B ON APR 01	1 170	1975
1976	---	7.82 E ON AUG 18 *	0.006B ON APR 01	8 740	1976
1977	---	7.19 ON APR 09	---	---	1977
1978	---	1.95 ON JUN 15	0.001 ON SEP 08	3 430	1978
1979	6.41 AT 10:25 MST ON JUN 14	5.30 ON JUN 14	0 B ON APR 06	---	1979
1980	1.29 AT 15:10 MST ON JUN 06	1.08 ON JUN 06	0 B ON APR 02	1 360	1980
1981	1.13 AT 16:57 MST ON APR 22	1.07 ON APR 22	0 ON AUG 10	1 400	1981
1982	3.14 AT 07:13 MST ON AUG 04	2.76 ON AUG 04	0 ON JUN 28	---	1982
1983	12.0 AT 19:40 MST ON JUL 26 *	7.13 ON JUL 26	0.001B ON APR 08	4 260	1983
1984	5.29 AT 21:07 MST ON MAY 16	4.61 ON MAY 17	0 ON JUL 23	3 330	1984
1985	2.37B AT 12:54 MST ON APR 13	1.96 B ON APR 13	0 ON JUL 11	2 230	1985
1986	4.14 AT 03:02 MST ON APR 19	4.91 ON APR 19	0 ON AUG 20	3 260	1986
1987	2.27 AT 02:09 MST ON AUG 02	2.20 ON AUG 02	0.001E ON JUL 21	1 440	1987
				3 080	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.032	0.130	0.140	0.124	---	---	---	1966
1967	---	---	---	---	1.97	0.459	0.016	0.002	0	0	---	---	---	1967
1968	---	---	0.029	0.249	0.878	0.848	0.038	0.063	0.017	0.036	---	---	0.303	1968
1969	---	---	0	1.62	0.414	0.029	0.056	0.002	0.030	0.034	---	---	0.308	1969
1970	---	---	0.036	1.12	0.615	0.057	0.003	0	0	0	---	---	0.255	1970
1971	---	---	0.001	0.434	0.141	1.78	1.25	0.005	0.006	0.015	---	---	0.516	1971
1972	---	---	0.108	1.81	0.753	0.751	0.164	0.013	0.007	0.028	---	---	0.498	1972
1973	---	---	0.018	1.40	0.646	0.853	0.081	0.016	0.042	0.094	---	---	0.443	1973
1974	---	---	0.007	4.47	1.91	0.064	0.004	0.001	0.002	0.007	---	---	0.914	1974
1975	---	---	---	---	0.379	0.148	0.103	0.006	0.019	0.034	---	---	---	1975
1976	---	---	---	2.05	0.348	2.45	0.277	2.67	0.296	0.137	---	---	1.17	1976
1977	---	---	0	3.06	2.26	0.507	1.18	0.143	0.081	0.365	---	---	1.08	1977
1978	---	---	---	---	1.22	1.32	0.050	0.022	0.234	0.123	---	---	---	1978
1979	---	---	---	---	2.69	2.65	0.314	0.007	0.020	0.009	---	---	---	1979
1980	---	---	---	0.568	0.145	0.618	0.121	0.029	0.127	0.046	---	---	0.234	1980
1981	---	---	---	1.10	0.365	0.066	0.014	0.001	0	0	---	---	0.219	1981
1982	---	---	---	0.114	0.771	0.040	0.259	0.034	0.040	0.023	---	---	0.301	1982
1983	---	---	---	0.110	0.150	---	---	0.159	0.022	0.029	---	---	---	1983
1984	---	---	---	0.342	2.91	0.538	0.054	0.011	0.146	---	---	---	---	1984
1985	---	---	---	2.34	0.370	0.060	0.006	0.011	0.156	0.350	---	---	0.466	1985
1986	---	---	---	1.94	1.43	0.091	0.119	0.014	0.013	0.101	---	---	0.528	1986
1987	---	---	---	0.264	0.113	0.063	0.021	---	0.133	0.021	---	---	---	1987
MEAN	---	---	0.025	1.35	0.975	0.670	0.198	0.197	0.070	0.075	---	---	0.517	MEAN

LOCATION - LAT 54 55 05 N
LONG 117 50 55 W
DRAINAGE AREA, 112 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	7.93 AT 12:00 MST ON APR 30	7.08 ON MAY 01	0 ON JUL 16 *	---	1967
1968	10.1 AT 16:00 MST ON JUN 12	4.96 ON JUN 14	0 ON AUG 14	5 610	1968
1969	7.14 AT 07:00 MST ON JUL 18	3.85 ON APR 16	0 B ON APR 01	5 700	1969
1970	---	3.11B ON APR 21	0 ON JUL 15	4 710	1970
1971	11.3 AT 16:00 MST ON JUL 12	9.20 ON JUL 12	0 B ON APR 06	9 550	1971
1972	---	9.03A ON JUN 26	0.001 ON AUG 27	9 210	1972
1973	4.87 AT 12:00 MST ON JUN 11	4.67 ON APR 24	0 ON AUG 14	8 190	1973
1974	17.8 AT 20:00 MST ON APR 23	15.0 ON APR 24	0 ON OCT 26	16 900	1974
1975	---	2.61B ON APR 28	0 ON AUG 01	---	1975
1976	---	20.8 ON AUG 18 *	0.002 ON JUL 25	21 600	1976
1977	---	20.4 E ON APR 10	0 B ON APR 01	20 000	1977
1978	---	6.54A ON APR 30	0.016 ON OCT 31	---	1978
1979	26.2 AT 14:30 MST ON JUN 14 *	17.6 ON JUN 14	0 E ON AUG 17	---	1979
1980	3.42 AT 17:00 MST ON JUN 05	3.18 ON JUN 06	0 B ON APR 01	4 320	1980
1981	4.84 AT 10:30 MST ON APR 21	2.70B ON APR 21	0 ON JUL 07	4 050	1981
1982	8.92 AT 19:30 MST ON AUG 03	6.96 ON AUG 04	0 ON JUN 28	5 560	1982
1983	---	---	---	---	1983
1984	23.7 AT 02:47 MST ON MAY 17	17.6 ON MAY 17	0 ON JUL 14	---	1984
1985	12.3 B AT 21:27 MST ON APR 13	9.58B ON APR 14	0 ON JUL 17	8 610	1985
1986	6.13 AT 01:31 MST ON APR 18	5.10B ON APR 18	0.001 ON AUG 21	9 770	1986
1987	---	---	0.001 ON JUL 15	---	1987
				9 560	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VERGER - STATION NO. 05CJ010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.464	0.465	0.345	0.276	---	---	---	1966
MEAN	---	---	---	---	---	---	0.464	0.465	0.345	0.276	---	---	---	MEAN

LOCATION - LAT 50 57 17 N
LONG 111 57 30 W
DRAINAGE AREA, 85.2 km²
REGULATED

SPRING CREEK NEAR VERGER - STATION NO. 05CJ010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
				---	MEAN

SPRING CREEK NEAR WATERTON PARK - STATION NO. 05AD014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	0.026	0.028	0.028	0.028	0.028	0.028	0.028	---	1926
1927	0.027	0.024	0.022	0.026	0.042	0.047	0.046	0.040	0.040	---	---	---	---	1927
1928	---	---	---	---	---	---	---	---	---	0.040	0.044	---	---	1928
MEAN	0.027	0.024	0.022	0.026	0.042	0.037	0.037	0.034	0.034	0.034	0.036	0.028	---	MEAN

LOCATION - LAT 49 07 11 N
LONG 113 50 30 W NATURAL FLOW

SPRING CREEK NEAR WATERTON PARK - STATION NO. 05AD014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	1926
1927	---	0.105 ON MAY 29 *	---	---	1927
1928	---	---	---	---	1928
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SQUAW COULEE DIVERSION BELOW SQUAW COULEE DAM - STATION NO. 05AC917

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	1.24	0.738	0.602	0.347	---	---	---	1985
1986	---	---	---	---	0.391	1.18	1.39	0.903	0.744	0.333	---	---	---	1986
1987	---	---	---	---	0.773	1.22	1.30	0.825	0.743	0.374	---	---	---	1987
1988	---	---	---	---	0.967	1.15	1.26	0.880	0.544	0.221	---	---	---	1988
1989	---	---	---	0	0.600	1.09	1.26	0.752	0.674	0.380	---	---	0.680	1989
1990	---	---	---	---	0.527	0.683	1.43	0.576	0.393	0.117	---	---	---	1990
MEAN	---	---	---	0	0.652	1.06	1.31	0.779	0.617	0.295	---	---	0.680	MEAN

LOCATION - LAT 50 31 35 N
LONG 113 55 32 W REGULATED

SQUAW COULEE DIVERSION BELOW SQUAW COULEE DAM - STATION NO. 05AC917

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON OCT 22 *	---	1985
1986	---	1.64 ON JUL 18	0 ON MAY 01	---	1986
1987	1.67 AT 20:31 MST ON JUL 13	1.66 ON JUL 12	0 ON MAY 01	---	1987
1988	---	1.65 ON JUL 21	0 ON OCT 18	---	1988
1989	---	1.69 ON JUL 28 *	0 ON APR 01	12 600	1989
1990	1.68 AT 14:40 MST ON JUL 16 *	1.66 ON JUL 28	0 ON MAY 01	---	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 600	MEAN

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0	0	5.79	7.18	2.65	0	0	---	1.97	1917
1918	---	---	---	0	0	7.33	11.1	6.83	1.03	0	0	---	3.30	1918
1919	---	---	---	1.77	10.7	10.8	10.7	10.8	4.48	1.12	0	---	6.34	1919
1920	---	---	---	0	1.35	10.3	12.2	9.61	0	0	0	---	4.21	1920
1921	---	---	---	0	2.82	10.2	9.19	3.37	0	0	0	---	3.21	1921
1922	---	---	---	0	1.00	6.25	9.47	8.34	5.67	0.097	0	---	3.87	1922
1923	---	---	---	0	5.77	11.8	9.83	9.26	1.97	0	0	---	4.85	1923
1924	---	---	---	0	6.97	9.13	11.2	13.2	2.96	0	0	---	5.47	1924
1925	---	---	---	0	9.75	14.2	14.5	13.5	10.0	4.22	0	---	8.31	1925
1926	---	---	---	2.05	11.9	12.4	12.7	2.86	2.81	0	0	---	5.65	1926
1927	---	---	---	0	0.722	0.898	10.9	11.8	0.165	0	0	---	3.11	1927
1928	---	---	---	0	0	11.6	8.83	10.9	1.25	0	0	---	4.09	1928
1929	---	---	---	0.246	1.77	9.53	12.8	12.6	7.57	2.60	0.121	---	5.94	1929
1930	---	---	---	0	0	7.95	14.2	13.0	4.75	0	0	---	5.03	1930
1931	---	---	---	1.25	9.99	15.1	15.4	14.8	2.81	1.37	0.534	---	7.70	1931
1932	---	---	---	6.49	14.4	13.1	16.6	16.3	4.24	0.358	---	---	---	1932
1933	---	---	---	0.008	11.4	14.1	17.1	17.0	7.24	1.69	0	---	8.62	1933
1934	---	---	---	2.57	18.2	17.1	19.5	17.5	0.847	0.055	0	---	9.54	1934
1935	---	---	---	0	11.3	16.5	20.0	16.2	8.19	0	0	---	9.06	1935
1936	---	---	---	0	12.6	19.8	20.8	14.0	1.87	0.770	0	---	8.77	1936
1937	---	---	---	0	14.8	7.56	19.0	19.9	4.67	0.019	0	---	8.32	1937
1938	---	---	---	2.10	11.5	17.5	19.0	19.2	4.33	1.64	2.11	---	9.71	1938
1939	---	---	---	3.65	16.4	19.3	19.6	13.3	0.401	0	0	---	9.13	1939
1940	---	---	---	0	11.2	16.8	18.7	9.89	0.001	0	5.22	---	7.76	1940
1941	---	---	---	2.26	14.4	15.6	18.2	7.30	2.15	0	0	---	7.53	1941
1942	---	---	---	6.87	18.4	5.22	18.8	16.3	13.3	0.352	0	---	9.96	1942
1943	---	---	---	0	0	9.57	14.1	15.2	14.8	1.72	0	---	6.94	1943
1944	---	---	---	2.29	13.9	12.5	11.8	9.23	1.47	0	0	---	6.43	1944
1945	---	---	---	1.03	16.0	16.3	16.1	15.7	14.3	2.02	0	---	10.2	1945
1946	---	---	---	10.5	15.7	17.1	16.3	12.4	14.6	0.080	0	---	11.2	1946
1947	---	---	---	0.102	3.43	13.3	16.4	16.0	13.0	0.411	0	---	8.10	1947
1948	---	---	---	0.024	3.24	8.86	13.5	15.1	13.6	0.151	0	---	6.84	1948
1949	---	---	---	0.483	14.3	15.8	15.4	14.9	9.21	0	0	---	8.81	1949
1950	---	---	---	0	2.76	9.91	14.7	14.1	14.7	14.1	0.652	---	8.90	1950
1951	---	---	---	0	0	4.54	12.3	16.1	4.78	0	0	---	4.88	1951
1952	---	---	---	0	0	0	12.9	15.8	15.6	3.97	0	---	6.07	1952
1953	---	---	---	2.09	14.9	4.13	4.89	13.4	13.6	0.928	0	---	6.77	1953
1954	---	---	---	0.100	3.44	10.5	15.4	16.3	2.18	0.001	0	---	6.04	1954
1955	---	---	---	0	2.43	8.04	14.9	16.7	8.78	0	0	---	6.40	1955
1956	---	---	---	2.95	14.6	16.6	16.4	16.0	15.3	7.44	0	---	11.2	1956
1957	---	---	---	3.38	16.6	16.6	15.9	15.5	9.36	0.044	0	---	9.70	1957
1958	---	---	---	1.11	16.1	17.6	17.5	17.1	8.60	0	0	---	9.80	1958
1959	---	---	---	9.40	17.5	17.7	16.3	17.5	18.0	4.59	0	---	12.6	1959
1960	---	---	---	0.997	14.2	17.8	17.8	17.7	11.4	0	0	---	10.0	1960
1961	---	---	---	11.8	12.0	16.9	18.0	17.8	12.2	1.69	0	---	11.5	1961
1962	---	---	---	14.1	16.2	16.5	18.4	17.2	0.939	0	0	---	10.7	1962
1963	---	---	---	15.6	17.2	19.8	18.9	19.0	12.0	0	0	---	12.8	1963
1964	---	---	---	8.55	15.8	9.92	9.74	19.2	15.6	0	0	---	9.88	1964
1965	---	---	---	0	0.664	18.4	12.6	18.4	10.7	0.001	0	---	7.61	1965
1966	---	---	---	0.030	15.8	18.8	16.2	19.1	14.5	0.005	0	---	10.6	1966
MEAN	---	---	---	2.24	9.36	12.4	14.7	14.1	7.31	1.03	0.176	---	7.66	MEAN

LOCATION - LAT 49 59 00 N LONG 113 04 00 W REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.19 ON JUL 23	0 ON APR 01 *	41 600	1917
1918	---	11.5 ON JUL 12	0 ON APR 01	69 600	1918
1919	---	11.6 ON MAY 15	0E ON APR 01	134 000	1919
1920	---	13.3 ON AUG 09	0 ON APR 01	88 800	1920
1921	---	13.0 ON JUN 20	0 ON APR 01	67 700	1921
1922	---	13.6 ON AUG 17	0 ON APR 01	81 500	1922
1923	---	14.4 ON JUL 16	0 ON APR 01	102 000	1923
1924	---	15.3 ON AUG 23	0 ON APR 01	115 000	1924
1925	---	15.2 ON JUL 25	0 ON APR 01	175 000	1925
1926	---	14.1 ON JUN 26	0E ON APR 01	119 000	1926
1927	---	13.3 ON AUG 14	0 ON APR 01	65 700	1927
1928	---	16.3 ON JUN 18	0 ON APR 01	86 300	1928
1929	---	13.5 ON JUL 07	0E ON APR 01	125 000	1929
1930	---	14.6 ON JUN 30	0 ON APR 01	106 000	1930
1931	---	16.1 ON JUN 30	0E ON APR 01	162 000	1931
1932	---	17.0 ON JUL 29	0E ON APR 01	---	1932
1933	---	18.2 ON AUG 05	0E ON APR 01	182 000	1933
1934	---	19.9 ON MAY 30	0E ON APR 01	201 000	1934
1935	---	20.3 ON JUL 21	0E ON APR 01	191 000	1935
1936	---	21.3 ON JUN 20	0 ON APR 01	185 000	1936
1937	---	21.5 ON JUN 13	0 ON APR 01	175 000	1937
1938	---	19.9 A ON JUN 19	0E ON APR 01	205 000	1938
1939	---	20.0 ON JUL 28	0 ON APR 01	193 000	1939
1940	---	19.9 ON JUL 27	0 ON APR 01	164 000	1940
1941	---	19.5 ON JUN 04	0 ON APR 01	159 000	1941
1942	---	20.1 ON JUL 25	0E ON APR 01	210 000	1942
1943	---	15.8 ON JUL 23	0 ON APR 01	146 000	1943
1944	---	16.7 ON JUL 22	0 ON APR 01	136 000	1944
1945	---	17.2 ON JUN 04	0 ON APR 01	215 000	1945
1946	---	17.4 ON JUN 24	0 ON APR 01	236 000	1946
1947	---	16.8 ON JUL 11	0 ON OCT 16	171 000	1947
1948	---	17.1 ON JUN 16	0 ON APR 01	144 000	1948
1949	---	16.7 ON MAY 17	0 ON APR 01	186 000	1949
1950	---	15.3 ON MAY 16	0 ON APR 01	188 000	1950
1951	---	17.1 ON AUG 30	0 ON APR 01	103 000	1951
1952	---	16.1 ON AUG 30	0 ON APR 01	128 000	1952
1953	---	18.8 ON JUN 03	0E ON APR 01	143 000	1953
1954	---	17.1 ON AUG 31	0E ON APR 01	127 000	1954
1955	---	18.3 ON JUL 18	0 ON APR 01	135 000	1955
1956	---	17.7 ON MAY 21	0A ON OCT 26	236 000	1956
1957	---	17.8 ON MAY 22	0 ON OCT 07	205 000	1957
1958	---	18.2 ON MAY 13	0 ON APR 22	207 000	1958
1959	---	18.5 ON MAY 19	0E ON OCT 18	267 000	1959
1960	---	18.9 ON JUN 19	0 ON APR 11	212 000	1960
1961	---	19.6 ON MAY 27	0 ON NOV 01	243 000	1961
1962	---	19.9 ON JUN 14	0 ON SEP 17	226 000	1962
1963	---	20.4 ON JUN 10	0 ON APR 01	270 000	1963
1964	---	23.1 ON JUN 08 *	0 ON OCT 04	208 000	1964
1965	---	19.9 ON JUN 17	0E ON APR 01	161 000	1965
1966	---	21.9 ON JUN 04	0 ON APR 24	223 000	1966
				162 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	7.17	---	0	0	---	---	1918
1919	---	---	---	2.07	11.0	11.0	11.0	11.0	4.39	1.16	0	---	---	1919
1920	---	---	---	0	1.57	10.2	12.1	9.30	0	0	0	---	---	1920
1921	---	---	---	0	3.17	9.72	9.39	3.40	0	0	0	---	---	1921
1922	---	---	---	0	1.15	6.74	9.59	8.48	5.69	0.014	0	---	---	1922
1923	---	---	---	0	5.98	11.4	10.0	9.26	1.71	0	0	---	---	1923
1924	---	---	---	0	7.21	8.74	11.2	12.9	2.36	0	0	---	---	1924
1925	---	---	---	0.244	10.1	14.0	14.1	12.9	10.2	3.96	0	---	---	1925
1926	---	---	---	3.20	12.3	12.9	12.6	5.96	2.68	0	0	---	---	1926
1927	---	---	---	0	---	---	11.4	11.6	0.005	0	0	---	---	1927
1928	---	---	---	0	0	12.3	8.94	11.3	1.17	0	0	---	---	1928
1929	---	---	---	0.375	1.66	9.80	12.9	12.6	7.51	2.59	0.150	---	---	1929
1930	---	---	---	0	0	8.68	14.9	13.5	4.61	0	0	---	---	1930
1931	---	---	---	1.58	10.3	15.5	15.8	15.1	2.55	1.53	0.491	---	---	1931
1932	---	---	---	6.71	14.4	13.1	16.8	16.7	4.81	0.688	0	---	---	1932
1933	---	---	---	0.089	11.9	14.4	17.6	17.3	6.95	1.92	0	---	---	1933
1934	---	---	---	3.08	18.3	17.0	19.8	17.6	0.743	0	0	---	---	1934
1935	---	---	---	0	11.9	17.0	20.5	16.6	7.92	0	0	---	---	1935
1936	---	---	---	0	13.3	20.2	21.3	13.9	2.01	0.957	0	---	---	1936
1937	---	---	---	0.087	15.0	7.57	19.0	19.8	4.14	0.021	0	---	---	1937
1938	---	---	---	2.37	11.1	17.9	19.2	19.6	3.86	2.00	2.14	---	---	1938
1939	---	---	---	4.15	16.3	19.2	19.6	13.2	0.361	1.20	4.74	---	---	1939
1940	---	---	---	0	11.9	16.9	18.6	9.55	0	0.029	5.23	---	---	1940
1941	---	---	---	2.63	14.5	15.4	18.0	6.97	2.14	0	0	---	---	1941
1942	---	---	---	7.15	17.9	5.02	18.4	16.1	13.1	0.168	0	---	---	1942
1943	---	---	---	0	0	9.89	14.1	15.2	14.6	1.46	0	---	---	1943
1944	---	---	---	2.71	13.8	12.5	12.1	9.09	1.40	0	0	---	---	1944
1945	---	---	---	1.70	16.2	16.4	16.3	16.0	14.3	1.86	0	---	---	1945
1946	---	---	---	10.8	15.7	17.3	16.5	15.6	14.7	0	0	---	---	1946
1947	---	---	---	0	5.71	13.3	16.5	16.2	12.9	0.220	0	---	---	1947
1948	---	---	---	0	3.30	7.95	13.9	15.1	13.5	0.004	0	---	---	1948
1949	---	---	---	0.661	14.6	16.0	15.6	15.2	9.09	0	0	---	---	1949
1950	---	---	---	0	2.82	10.4	14.8	14.2	15.0	14.2	0.358	---	---	1950
1951	---	---	---	0	0	4.60	13.5	16.5	4.47	0	0	---	---	1951
1952	---	---	---	0	0	0	13.7	16.3	16.2	3.75	0	---	---	1952
1953	---	---	---	2.23	15.0	3.06	5.29	14.0	14.0	0.629	0	---	---	1953
1954	---	---	---	0	3.70	11.1	16.1	16.9	1.95	0	0	---	---	1954
1955	---	---	---	0	2.44	8.71	15.0	16.9	8.54	0	---	---	---	1955
1956	---	---	---	3.29	14.9	16.9	16.9	16.4	15.6	7.04	---	---	---	1956
1957	---	---	---	3.84	17.2	17.2	16.6	16.1	9.46	0.003	---	---	---	1957
1958	---	---	---	1.27	16.8	18.1	18.1	17.7	8.44	0	---	---	---	1958
1959	---	---	---	9.98	17.8	18.0	16.7	18.1	18.5	4.31	---	---	---	1959
1960	---	---	---	1.12	14.6	18.2	18.1	18.0	11.2	0	---	---	---	1960
1961	---	---	---	12.5	12.7	19.4	18.8	18.5	12.4	1.61	---	---	---	1961
1962	---	---	---	13.4	16.9	19.0	19.0	17.5	0.731	0	---	---	---	1962
1963	---	---	---	16.4	17.8	20.0	19.3	19.5	11.8	0	---	---	---	1963
1964	---	---	---	8.94	16.3	10.1	10.3	19.6	15.5	0	---	---	---	1964
1965	---	---	---	0	1.10	18.8	13.1	18.9	10.3	0	---	---	---	1965
1966	---	---	0	0	16.8	19.0	16.6	19.6	14.4	0	---	---	10.8	1966
1967	---	---	---	0	0	5.00	19.1	19.3	16.7	0.019	---	---	---	1967
1968	---	---	---	11.7	17.9	19.6	19.5	19.5	12.7	0	---	---	---	1968
1969	---	---	---	0	10.5	19.7	19.7	19.6	8.71	0	---	---	---	1969
1970	---	---	---	6.01	7.15	15.7	19.5	19.7	9.20	0	---	---	---	1970
1971	---	---	---	0	6.26	7.10	20.0	19.8	19.8	3.89	---	---	---	1971
1972	---	---	---	0.266	15.5	13.8	19.6	19.8	19.7	5.48	---	---	---	1972
1973	---	---	0.102	1.64	13.8	19.9	19.7	15.9	0.107	0	---	---	8.90	1973
1974	---	---	0.246	13.0	15.5	16.4	19.5	18.3	13.5	0	---	---	12.0	1974
1975	---	---	---	0	0	3.26	8.89	18.9	15.2	0	---	---	---	1975
1976	---	---	---	1.88	16.4	19.9	19.6	19.6	17.9	1.48	---	---	---	1976
1977	---	---	---	0.574	15.6	18.6	5.37	5.21	2.28	0	---	---	---	1977
1978	---	---	---	0	1.53	11.8	14.4	15.7	3.78	0	---	---	---	1978
1979	---	---	---	0	2.41	17.8	18.3	17.5	4.19	0	---	---	---	1979
1980	---	---	3.18	11.8	14.6	18.8	19.3	18.7	6.65	0	---	---	11.6	1980
1981	---	---	11.6	9.93	15.7	18.6	19.0	17.7	15.6	0	---	---	13.5	1981
1982	---	---	0	0	14.6	15.0	16.6	0	0	0	---	---	5.79	1982
1983	---	---	7.55	11.2	8.54	18.1	19.6	18.2	0.043	0	---	---	10.4	1983
1984	---	0	9.17	6.03	10.0	19.0	19.3	12.9	0	0	---	---	9.56	1984
1985	---	---	1.66	16.1	18.6	19.6	15.2	18.2	11.6	0	---	---	12.6	1985
1986	---	---	0	7.01	8.09	12.5	17.7	16.4	1.53	0	---	---	7.91	1986
1987	---	---	9.87	6.06	13.9	17.6	14.3	16.4	4.47	0	---	---	10.3	1987
1988	---	---	6.93	17.0	18.2	19.6	17.3	3.76	0	0	---	---	10.3	1988
1989	---	---	6.06	15.3	19.3	20.3	19.6	18.0	17.6	13.4	---	---	16.2	1989
1990	---	---	0	6.56	17.4	14.3	18.5	17.2	17.0	5.46	---	---	12.1	1990
MEAN	---	0	4.03	3.68	10.7	14.1	16.0	15.0	8.00	1.11	0.354	---	10.9	MEAN

LOCATION - LAT 48 56 50 N
LONG 113 22 28 W REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1919	---	11.6 ON MAY 15	0 ON APR 01 *	---	1919
1920	---	13.6 ON AUG 08	0 ON APR 01	---	1920
1921	---	12.1 ON JUN 10	0 ON APR 01	---	1921
1922	---	13.6 ON AUG 16	0 ON APR 01	---	1922
1923	---	15.5 ON JUL 16	0 ON APR 01	---	1923
1924	---	15.8 ON AUG 22	0 ON APR 01	---	1924
1925	---	14.9 ON AUG 20	0 ON APR 01	---	1925
1926	---	14.5A ON MAY 25	0 ON APR 01	---	1926
1927	---	13.5 ON JUL 17	0 ON APR 01	---	1927
1928	---	15.6 ON JUN 17	0 ON APR 01	---	1928
1929	---	13.7 ON JUL 10	0 ON APR 01	---	1929
1930	---	15.1 ON JUN 29	0 ON APR 01	---	1930
1931	---	16.2 ON JUN 30	0 ON MAR 29	---	1931
1932	---	17.3 ON AUG 12	0 ON APR 01	---	1932
1933	---	18.0 ON JUL 17	0 ON APR 01	---	1933
1934	---	20.0 ON JUL 05	0 ON APR 01	---	1934
1935	---	20.8 ON JUL 21	0 ON APR 01	---	1935
1936	---	21.7 ON JUN 19 *	0 ON APR 01	---	1936
1937	---	20.4 ON AUG 02	0 ON APR 01	---	1937
1938	---	20.4 ON JUL 08	0 ON APR 01	---	1938
1939	---	19.9 ON JUN 02	0 ON APR 01	---	1939
1940	---	19.6 ON JUL 27	0 ON APR 01	---	1940
1941	---	19.2 ON JUN 03	0 ON APR 01	---	1941
1942	---	19.5 ON JUL 25	0 ON APR 01	---	1942
1943	---	15.8 ON JUL 22	0 ON APR 01	---	1943
1944	---	17.0 ON JUL 24	0 ON APR 01	---	1944
1945	---	17.1 ON JUN 24	0 ON APR 01	---	1945
1946	---	17.7 ON JUN 06	0 ON APR 01	---	1946
1947	---	16.8 ON JUL 10	0 ON APR 01	---	1947
1948	---	16.1 ON JUL 20	0 ON APR 01	---	1948
1949	---	16.6 ON MAY 30	0 ON APR 01	---	1949
1950	---	15.4 ON OCT 07	0 ON APR 01	---	1950
1951	---	16.9 ON AUG 09	0 ON APR 01	---	1951
1952	---	16.7 ON AUG 31	0 ON APR 01	---	1952
1953	---	16.2 ON MAY 25	0 ON APR 01	---	1953
1954	---	17.2 ON AUG 29	0 ON APR 01	---	1954
1955	---	18.1 ON JUL 17	0 ON APR 01	---	1955
1956	---	17.8 ON MAY 20	0 ON APR 01	---	1956
1957	---	18.2 ON MAY 21	0 ON APR 01	---	1957
1958	---	18.6 ON MAY 25	0 ON APR 01	---	1958
1959	---	19.1 ON JUL 22	0 ON APR 01	---	1959
1960	---	19.2 ON JUN 18	0 ON APR 01	---	1960
1961	---	20.0 ON MAY 27	0 ON APR 01	---	1961
1962	---	20.0 ON JUN 14	0 ON APR 01	---	1962
1963	---	20.7 ON JUN 14	0 ON APR 01	---	1963
1964	---	20.1 ON SEP 06	0 ON APR 01	---	1964
1965	---	19.4 ON JUN 20	0 ON APR 01	---	1965
1966	---	20.0 ON JUN 21	0 ON MAR 01	229 000	1966
1967	---	19.7 ON JUL 08	0 ON APR 01	---	1967
1968	---	20.1 ON JUN 23	0 ON MAR 27	---	1968
1969	---	20.1 ON JUN 07	0 ON MAR 29	---	1969
1970	---	20.0 ON JUN 04	0 ON APR 01	---	1970
1971	---	20.5 ON JUL 25	0 ON MAR 30	---	1971
1972	---	20.4 ON JUN 03	0 ON MAR 21	---	1972
1973	---	20.4 ON JUN 10	0 ON MAR 01	188 000	1973
1974	---	20.3 ON MAY 10	0B ON MAR 01	254 000	1974
1975	---	19.5 ON SEP 01	0 ON APR 01	---	1975
1976	---	20.3 ON JUL 07	0 ON MAR 16	---	1976
1977	---	19.7 ON MAY 17	0A ON MAR 23	---	1977
1978	---	18.7 ON JUN 30	0 ON APR 01	---	1978
1979	---	19.5 ON JUN 15	0E ON APR 01	---	1979
1980	---	19.9 ON MAY 01	0B ON MAR 01	246 000	1980
1981	---	19.6 ON JUN 12	0B ON MAR 01	286 000	1981
1982	---	19.6 ON JUN 28	0E ON MAR 01	123 000	1982
1983	---	20.0 ON JUL 16	0 ON MAR 01	220 000	1983
1984	---	19.8 ON MAY 31	0 ON AUG 28	202 000	1984
1985	---	20.0 ON JUN 14	0B ON MAR 01	266 000	1985
1986	---	18.5 ON JUN 20	0 ON MAR 01	167 000	1986
1987	---	19.5 ON MAY 16	0E ON MAR 01	219 000	1987
1988	---	21.1 ON APR 11	0 ON MAR 01	219 000	1988
1989	---	20.7 ON MAY 14	0B ON MAR 01	342 000	1989
1990	---	18.9 ON JUN 24	0 ON MAR 01	255 000	1990
				230 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	17.5	13.5	9.69	5.65	---	1902
1903	4.67	3.96	3.40	16.1	48.9	148	82.9	39.8	31.4	25.0	15.1	12.4	36.1	1903
1904	6.34	5.80	5.66	20.5	57.3	83.1	53.9	26.4	11.9	6.26	3.67	4.69	23.8	1904
1905	2.55	2.12	5.32	8.61	34.5	69.8	46.6	24.0	10.5	21.9	8.43	6.80	20.2	1905
1906	2.83	2.69	3.54	13.6	42.7	64.8	51.8	26.8	17.8	21.4	31.2	10.2	24.2	1906
1907	4.65	3.66	7.36	13.9	54.7	121	88.2	37.8	34.4	17.9	6.91	4.45	33.1	1907
1908	2.97	3.66	8.34	23.9	70.4	212	70.5	23.6	13.1	13.6	10.5	5.66	38.3	1908
1909	4.25	4.81	5.66	9.91	53.9	146	85.0	41.3	18.1	12.7	15.6	5.66	33.7	1909
1910	4.25	4.53	10.3	33.6	65.6	63.5	33.3	16.4	15.7	29.3	21.0	8.32	25.6	1910
1911	5.96	5.36	5.54	14.4	57.6	98.3	47.3	29.8	38.7	17.6	9.80	5.52	28.1	1911
1912	4.81	3.96	3.68	15.3	57.5	66.5	44.8	25.1	14.9	12.0	12.2	7.05	22.4	1912
1913	4.46	3.64	5.40	21.2	54.2	128	57.3	32.9	16.3	12.7	10.5	5.39	29.4	1913
1914	3.62	2.86	5.20	18.0	63.2	65.1	40.5	20.4	16.5	23.8	19.9	7.24	24.0	1914
1915	4.75	3.32	4.45	16.3	46.6	63.8	48.8	27.4	23.9	20.9	14.3	6.88	23.5	1915
1916	5.25	10.7	14.6	18.8	48.3	131	98.1	34.8	26.8	11.1	9.19	6.95	34.6	1916
1917	4.92	3.69	3.73	12.8	62.7	116	62.5	14.1	10.8	10.7	7.03	4.75	26.2	1917
1918	20.6	5.19	5.15	18.7	53.1	79.7	22.5	14.4	13.0	11.2	7.33	4.60	21.3	1918
1919	4.25	3.83	3.48	7.54	45.0	39.5	18.4	11.2	7.23	4.11	4.68	5.06	12.9	1919
1920	5.11	6.49	7.34	12.1	47.1	80.4	50.9	19.1	17.4	17.5	8.16	6.23	23.2	1920
1921	4.21	4.93	10.4	16.3	72.1	92.2	35.8	18.5	12.9	25.0	9.98	8.81	26.2	1921
1922	4.08	3.94	2.86	7.87	58.6	101	29.8	16.5	10.6	8.64	6.66	4.23	21.3	1922
1923	4.70	3.67	3.04	11.9	58.7	71.5	30.6	18.3	27.2	15.9	7.74	3.83	21.5	1923
1924	3.08	5.75	3.89	11.1	44.3	65.1	43.1	15.4	10.8	9.33	9.01	7.17	19.0	1924
1925	5.04	7.08	7.98	28.3	74.8	84.7	36.6	19.2	13.8	16.7	6.88	4.55	25.5	1925
1926	1.73	2.88	3.79	12.4	22.1	19.7	15.9	8.60	16.3	24.9	12.4	7.96	12.4	1926
1927	4.48	4.30	4.22	15.5	78.4	147	66.5	29.5	42.8	32.7	23.7	8.97	38.1	1927
1928	7.93	4.85	11.8	15.7	101	64.3	64.3	20.5	13.6	27.4	12.6	6.28	29.4	1928
1929	3.34	3.02	5.47	8.28	44.4	60.6	23.3	10.9	6.85	6.42	4.03	2.40	15.0	1929
1930	2.56	6.08	7.19	36.9	58.3	60.4	23.3	11.2	9.36	7.81	4.88	2.84	19.2	1930
1931	1.72	3.44	3.26	4.60	37.4	31.2	16.4	13.3	11.6	7.92	5.85	5.35	11.9	1931
1932	2.93	6.12	12.0	11.6	44.9	61.3	26.7	12.5	10.2	7.88	7.43	6.16	17.5	1932
1933	5.19	2.59	2.90	10.5	43.1	92.3	40.1	16.2	12.8	14.5	26.6	12.7	23.3	1933
1934	15.7	11.6	11.5	37.7	71.6	65.6	20.4	12.3	9.38	7.07	22.0	8.00	24.4	1934
1935	7.89	11.1	8.45	11.9	35.4	48.1	25.5	15.0	8.50	5.58	2.59	2.13	15.2	1935
1936	2.45	2.18	3.68	12.5	39.0	37.8	16.4	9.35	5.25	3.66	2.32	3.62	11.4	1936
1937	3.11	2.93	3.26	5.42	29.0	81.3	25.1	11.5	7.42	7.35	10.7	4.43	16.0	1937
1938	3.50	3.59	4.10	11.6	52.6	69.4	30.4	11.7	11.9	6.97	6.66	4.71	18.1	1938
1939	3.94	3.15	7.47	11.3	35.4	26.0	19.3	10.9	6.19	3.26	2.31	3.33	11.1	1939
1940	3.10	2.26	3.98	7.32	31.2	30.5	16.2	8.11	9.01	9.20	4.05	3.80	10.8	1940
1941	3.04	2.24	2.38	6.45	19.5	19.7	17.1	8.70	11.1	12.9	7.79	13.2	10.4	1941
1942	5.54	3.72	3.28	11.2	28.5	47.3	14.8	16.1	12.1	14.4	7.53	5.78	17.9	1942
1943	3.52	3.84	3.33	26.1	50.9	95.0	36.4	19.1	10.8	7.47	4.42	2.81	23.7	1943
1944	1.57	2.19	2.18	4.11	21.6	25.9	16.3	11.9	8.72	8.17	5.21	3.26	9.28	1944
1945	2.62	2.61	2.77	3.89	32.0	69.4	27.4	10.5	8.84	9.67	10.9	4.93	15.5	1945
1946	3.85	3.18	4.24	13.7	41.5	47.1	27.1	12.6	11.4	11.4	10.2	5.50	16.0	1946
1947	4.97	5.69	8.37	27.8	63.4	54.3	28.2	13.8	12.0	26.9	13.2	4.69	22.0	1947
1948	3.67	2.74	3.42	16.7	76.2	144	29.5	15.8	9.19	7.78	3.05	2.30	26.2	1948
1949	1.86	2.33	3.57	9.68	40.8	41.4	18.9	10.2	10.5	8.87	9.11	10.5	14.0	1949
1950	5.22	4.00	5.43	14.7	54.4	115	64.3	22.9	10.1	17.1	23.7	11.5	29.1	1950
1951	8.13	7.29	7.37	29.2	94.1	88.6	73.1	23.8	40.5	45.0	12.7	6.47	35.7	1951
1952	4.17	4.28	5.15	22.4	60.1	57.1	28.1	16.2	7.91	4.78	3.04	2.22	18.1	1952
1953	4.95	6.91	5.81	12.8	92.9	145	62.6	20.1	11.5	8.34	5.48	3.69	28.9	1953
1954	3.37	4.95	4.44	14.9	85.6	80.5	67.1	20.3	32.7	27.8	13.4	7.40	30.4	1954
1955	3.33	3.09	2.43	6.10	32.3	92.0	44.8	16.1	16.1	23.2	12.9	6.38	21.6	1955
1956	5.50	3.59	4.91	10.0	64.7	76.8	32.2	15.9	9.64	10.4	6.56	4.53	20.4	1956
1957	3.58	3.23	3.96	5.64	70.4	62.4	17.6	10.5	5.81	6.99	7.32	4.19	16.8	1957
1958	2.16	3.08	4.05	8.13	48.3	59.1	21.3	11.9	10.3	10.9	8.36	7.77	16.3	1958
1959	7.04	5.01	6.12	13.6	46.2	85.0	35.2	16.1	21.6	28.0	14.6	8.67	24.0	1959
1960	5.21	3.60	4.51	13.8	24.6	55.7	27.2	14.7	8.89	5.02	5.15	3.84	14.3	1960
1961	2.89	3.86	4.98	8.56	38.3	69.1	24.5	12.2	7.90	14.9	7.34	3.94	16.6	1961
1962	3.40	4.46	3.53	14.8	31.2	40.7	23.1	13.7	10.8	10.2	10.8	8.43	14.6	1962
1963	4.50	8.14	4.52	7.48	29.7	34.9	29.0	11.8	9.15	6.27	3.94	3.49	14.4	1963
1964	2.10	3.04	2.53	4.40	33.6	153	45.1	11.1	12.2	22.0	9.64	4.30	25.2	1964
1965	3.65	4.64	4.54	14.5	56.0	90.1	39.1	17.7	19.8	20.3	10.9	5.61	23.9	1965
1966	4.81	3.21	4.46	17.1	40.5	62.6	33.8	14.1	10.1	8.53	6.28	5.25	17.6	1966
1967	4.15	3.90	4.22	6.30	76.4	108	42.2	16.0	8.41	6.14	9.38	5.59	24.3	1967
1968	4.70	5.28	4.66	6.86	32.1	32.4	27.0	16.4	28.2	18.5	9.77	5.38	17.9	1968
1969	4.46	4.14	6.05	21.0	39.3	62.5	32.2	10.7	8.14	10.8	6.41	3.71	17.5	1969
1970	3.00	3.01	3.59	6.18	44.9	102	25.8	13.0	8.33	6.48	4.32	4.90	18.8	1970
1971	4.09	7.23	4.65	11.8	70.3	91.1	40.4	17.6	11.7	9.24	6.19	3.62	23.2	1971
1972	2.82	3.38	14.5	17.0	71.2	88.4	43.2	22.1	13.0	12.5	5.23	3.46	24.8	1972
1973	4.24	4.37	3.42	5.46	28.8	41.9	20.0	11.9	6.66	5.21	10.1	3.90	15.3	1973
1974	8.40	6.86	5.27	11.9	36.7	95.8	53.5	21.4	15.1	4.93	3.36	3.46	22.2	1974
1975	2.45	2.67	2.76	3.86	39.6	168	75.8	20.4	22.0	18.0	12.0	14.2	31.9	1975
1976	6.69	5.08	4.84	15.7	53.6	37.9	34.7	22.9	13.8	8.61	3.10	2.89	17.5	1976
1977	2.36	2.57	2.45	6.70	23.9	23.7	15.5	13.8	16.3	6.39	4.80	5.95	10.4	1977
1978	3.66	2.85	3.32	11.7	54.8	66.2	48.3	23.0	33.7	16.4	8.59	4.42	23.2	1978
1979	2.66	2.53	6.62	11.2	63.6	50.3	24.5	11.1	9.89	3.78	2.83	2.98	16.1	1979
1980	2.39	2.04	1.81	9.64	54.7	41.2	20.2	12.5	18.8	10.2	9.26	7.35	15.9	1980
1981	10.7	6.01	4.98	10.6	51.3	43.4	30.8	13.9	7.88	4.97	3.01	2.45	15.8	1981
1982	1.77	2.46	4.07	7.37	39.5	71.6	57.1	18.5	8.30	8.21	5.08	3.17	19.2	1982
1983	2.93	2.59	3.78	4.79	27.8	36.3	27.7	13.7	8.06	3.90	7.10	3.43	11.9	1983
1984	6.01	3.77	3.00	8.14	22.7	40.1	24.3	13.1	10.1	8.88	5.61	2.87	12.4	1984

CONTINUED

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027 (CONTINUED)

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	2.48	2.02	2.33	10.3	38.6	41.8	21.2	11.9	19.3	18.4	17.9	5.11	16.0	1985
1986	3.87	7.05	14.1	18.2	39.1	48.0	19.6	10.6	11.6	13.6	8.95	4.75	17.5	1986
1987	3.95	2.95	3.49	15.4	41.2	31.4	26.4	18.1	13.1	5.39	2.27	2.00	13.9	1987
1988	1.87	2.16	2.43	15.0	33.2	31.5	14.0	6.98	4.32	11.4	9.07	4.11	11.3	1988
1989	3.26	2.56	2.84	13.6	34.4	59.3	27.5	17.3	16.4	10.8	27.8	12.2	19.0	1989
1990	7.08	5.90	6.20	20.8	33.7	60.1	38.6	16.2	7.31	15.6	18.0	6.57	19.7	1990
MEAN	4.46	4.31	5.23	13.4	48.7	74.4	37.7	17.2	14.3	13.1	9.52	5.68	20.7	MEAN

LOCATION - LAT 49 00 12 N LONG 113 18 48 W DRAINAGE AREA, 1 210 km² REGULATED INTERNATIONAL GAUGING STATION

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	---		---		---	---	1902
1903	---		175	ON JUN 08	3.40 B ON MAR 01	1 140 000	1903
1904	---		110	ON JUN 07	3.11 ON NOV 07	754 000	1904
1905	---		92.6	ON JUN 07	2.12 B ON FEB 01	637 000	1905
1906	---		75.3	ON JUN 05	2.69 B ON FEB 01	763 000	1906
1907	---		159	ON JUN 23	3.40 E ON DEC 26	1 040 000	1907
1908	1 130 E	ON JUN 05 *	793 E	ON JUN 05 *	2.97 E ON JAN 01	1 210 000	1908
1909	---		186	ON JUN 04	4.25 E ON JAN 01	1 060 000	1909
1910	---		83.8	ON MAY 27	3.40 B ON DEC 31	806 000	1910
1911	---		110	ON JUN 13	3.83 B ON DEC 31	885 000	1911
1912	---		98.5	ON MAY 21	3.68 E ON MAR 01	707 000	1912
1913	---		152	ON JUN 02	2.21 B ON DEC 31	926 000	1913
1914	---		88.3	ON JUN 04	1.98 B ON FEB 05	756 000	1914
1915	83.0	ON JUN 26	75.6	ON JUN 26	2.63 B ON FEB 22	742 000	1915
1916	253	ON JUN 22	244	ON JUN 22	4.22 B ON JAN 09	1 090 000	1916
1917	---		147	ON JUN 11	2.83 B ON JAN 30	827 000	1917
1918	147	ON JUN 14	141	ON JUN 14	3.26 B ON MAR 01	673 000	1918
1919	124	ON MAY 30	122	ON MAY 30	1.30 B ON DEC 01	407 000	1919
1920	130 AT 11:00 MST	ON JUN 18	126	ON JUN 18	1.36 B ON JAN 24	733 000	1920
1921	150 AT 15:00 MST	ON MAY 26	139	ON MAY 26	3.14 B ON FEB 06	826 000	1921
1922	149 AT 09:30 MST	ON JUN 07	149	ON JUN 07	2.55 B ON MAR 26	673 000	1922
1923	99.4 AT 11:00 MST	ON JUN 11	97.4	ON JUN 11	2.49 B ON MAR 06	678 000	1923
1924	85.8 AT 11:30 MST	ON JUN 17	84.4	ON JUN 17	2.32 B ON JAN 05	602 000	1924
1925	141 AT 22:00 MST	ON MAY 23	135	ON MAY 24	3.68 B ON DEC 25	805 000	1925
1926	---		46.2	ON OCT 20	1.36 B ON JAN 31	391 000	1926
1927	220 AT 16:00 MST	ON JUN 11	212	ON JUN 11	2.38 B ON MAR 24	1 200 000	1927
1928	151 AT 17:00 MST	ON MAY 27	149	ON MAY 27	4.11 B ON FEB 21	928 000	1928
1929	106 AT 16:30 MST	ON MAY 25	102	ON MAY 26	1.47 B ON DEC 10	472 000	1929
1930	89.5 AT 20:00 MST	ON JUN 12	86.4	ON JUN 12	0.787B ON DEC 18	607 000	1930
1931	69.1 AT 07:00 MST	ON MAY 18	66.3	ON MAY 18	1.64 B ON JAN 12	375 000	1931
1932	---		86.1A	ON JUN 18	1.95 B ON JAN 18	552 000	1932
1933	118 AT 19:00 MST	ON JUN 09	117	ON JUN 06	1.70 B ON MAR 07	735 000	1933
1934	140 AT 22:00 MST	ON JUN 08	136	ON JUN 08	5.61 A ON OCT 11	770 000	1934
1935	86.7 AT 17:30 MST	ON MAY 24	84.7	ON MAY 25	1.44 B ON NOV 02	479 000	1935
1936	83.5 AT 10:30 MST	ON JUN 03	82.1	ON JUN 03	0.453B ON NOV 29 *	362 000	1936
1937	162 AT 18:45 MST	ON JUN 13	156	ON JUN 14	2.49 B ON MAR 23	503 000	1937
1938	135 AT 13:15 MST	ON MAY 28	133	ON MAY 29	2.75 ON NOV 05	571 000	1938
1939	51.0 AT 19:00 MST	ON MAY 24	44.2	ON MAY 25	0.787A ON NOV 05	350 000	1939
1940	47.6 AT 09:00 MST	ON MAY 21	45.0	ON MAY 21	1.73 A ON NOV 03	340 000	1940
1941	30.6 AT 18:00 MST	ON JUN 29	27.6	ON JUN 29	2.04 B ON FEB 13	327 000	1941
1942	131 AT 15:00 MST	ON JUN 08	129	ON JUN 08	2.38 B ON FEB 27	563 000	1942
1943	148 AT 11:00 MST	ON JUN 20	144	ON JUN 20	1.30 B ON DEC 31	747 000	1943
1944	37.4 AT 12:00 MST	ON JUN 27	36.0	ON MAY 20	1.10 B ON JAN 04	293 000	1944
1945	106 AT 06:45 MST	ON JUN 06	105	ON JUN 06	2.04 B ON FEB 04	488 000	1945
1946	64.3 AT 17:30 MST	ON MAY 29	62.9	ON MAY 29	2.15 B ON FEB 02	506 000	1946
1947	88.1 AT 24:00 MST	ON MAY 11	86.4	ON MAY 11	3.62 B ON JAN 31	695 000	1947
1948	281 AT 15:30 MST	ON JUN 17	238	ON JUN 17	1.33 B ON FEB 05	828 000	1948
1949	72.8 AT 16:00 MST	ON MAY 14	62.3	ON MAY 31	1.64 B ON JAN 08	443 000	1949
1950	149 AT 07:00 MST	ON JUN 25	145	ON JUN 25	2.41 B ON FEB 10	917 000	1950
1951	261 AT 14:30 MST	ON JUN 24	198	ON JUN 24	4.79 B ON DEC 31	1 130 000	1951
1952	88.6 AT 00:30 MST	ON OCT 05	81.6	ON JUN 12	1.47 B ON DEC 19	571 000	1952
1953	328 AT 15:00 MST	ON JUN 03	266	ON JUN 04	1.02 B ON DEC 07	912 000	1953
1954	166 AT 17:00 MST	ON MAY 22	162	ON MAY 22	0.850B ON APR 02	958 000	1954
1955	132 AT 16:00 MST	ON JUN 25	129	ON JUN 26	0.708B ON MAR 24	681 000	1955
1956	154 AT 14:00 MST	ON MAY 24	151	ON MAY 24	1.98 B ON FEB 23	646 000	1956
1957	101 AT 18:30 MST	ON MAY 08	98.3	ON MAY 08	1.70 B ON FEB 19	531 000	1957
1958	90.6 AT 11:00 MST	ON JUN 12	89.5	ON JUN 12	1.42 B ON JAN 13	515 000	1958
1959	123 AT 02:30 MST	ON JUN 08	121	ON JUN 07	3.96 B ON MAR 08	756 000	1959
1960	83.5 AT 22:00 MST	ON JUN 05	81.8	ON JUN 05	1.70 B ON MAR 14	453 000	1960
1961	103 AT 22:30 MST	ON MAY 30	98.8	ON MAY 31	2.46 B ON JAN 19	522 000	1961
1962	55.5 AT 20:00 MST	ON JUN 05	48.4	ON MAY 31	2.55 B ON JAN 24	461 000	1962
1963	90.6 AT 24:00 MST	ON JUN 12	72.5	ON JUN 11	2.44 B ON JAN 09	454 000	1963
1964	595 AT 16:30 MST	ON JUN 08	481	ON JUN 09	0.934B ON JAN 21	797 000	1964
1965	148 AT 15:00 MST	ON JUN 20	146	ON JUN 20	3.11 B ON JAN 23	755 000	1965
1966	148 AT 18:00 MST	ON JUN 04	125	ON JUN 04	2.72 B ON MAR 01	555 000	1966
1967	167 AT 19:00 MST	ON MAY 31	163	ON MAY 31	3.00 B ON MAR 12	766 000	1967
1968	71.4 AT 19:15 MDT	ON JUN 07	67.7	ON JUN 07	1.74 B ON JAN 09	565 000	1968
1969	117 AT 12:15 MDT	ON JUN 27	108	ON JUN 27	2.80 B ON MAR 11	551 000	1969
1970	182 AT 16:00 MDT	ON JUN 13	165	ON JUN 14	2.32 B ON JAN 16	594 000	1970
1971	162 AT 10:15 MST	ON MAY 31	158	ON MAY 31	2.94 B ON DEC 31	733 000	1971
1972	141 AT 12:15 MST	ON JUN 12	138	ON JUN 12	1.84 B ON JAN 10	783 000	1972
1973	72.5 AT 04:45 MST	ON JUN 10	70.5	ON JUN 10	2.56 ON MAR 29	389 000	1973
1974	187 AT 10:00 MST	ON JUN 19	180	ON JUN 19	2.52 B ON DEC 31	702 000	1974
1975	660 AT 04:00 MST	ON JUN 21	470	ON JUN 21	1.67 B ON MAR 06	1 010 000	1975
1976	90.9 AT 18:00 MST	ON MAY 13	87.2	ON MAY 14	2.58 B ON NOV 26	555 000	1976
1977	39.1 AT 14:00 MDT	ON JUN 09	38.2	ON JUN 09	2.01 B ON MAR 20	329 000	1977
1978	116 AT 10:00 MST	ON JUN 10	114	ON JUN 10	2.35 B ON MAR 16	731 000	1978
1979	144 AT 12:30 MDT	ON MAY 28	140	ON MAY 28	1.59 B ON NOV 29	507 000	1979
1980	140 AT 13:30 MDT	ON MAY 26	125	ON MAY 26	0.850B ON MAR 17	502 000	1980
1981	107 AT 22:00 MDT	ON MAY 22	99.4	ON MAY 23	1.70 B ON DEC 31	495 000	1981
1982	102 AT 02:00 MDT	ON MAY 28	101	ON MAY 28	1.44 B ON JAN 06	605 000	1982
1983	60.9 AT 08:30 MDT	ON MAY 31	60.3	ON MAY 30	1.98 ON APR 17	375 000	1983
1984	52.1 AT 13:00 MST	ON JUN 29	51.2	ON JUN 29	2.07 ON APR 09	392 000	1984
1985	81.3 AT 01:00 MST	ON JUN 10	76.5	ON JUN 10	1.27 B ON MAR 30	504 000	1985
1986	139 AT 07:00 MST	ON JUN 01	138	ON JUN 01	1.98 B ON DEC 31	551 000	1986
1987	73.6 AT 05:00 MST	ON JUL 23	70.5	ON JUL 23	1.53 B ON NOV 30	439 000	1987
1988	51.0 AT 09:00 MST	ON MAY 14	51.0	ON MAY 14	1.59 B ON JAN 09	359 000	1988
1989	155 AT 15:45 MST	ON JUN 11	139	ON JUN 11	1.84 B ON MAR 03	600 000	1989
1990	86.4 AT 15:15 MDT	ON JUN 27	85.5	ON JUN 27	1.98 B ON DEC 29	621 000	1990
						654 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	20.7	7.12	---	1911
1912	6.21	4.98	---	---	56.0	58.7	48.7	22.1	12.3	13.6	14.8	7.68	---	1912
1913	2.48	3.06	5.70	34.7	56.7	118	42.6	26.7	9.62	12.7	10.4	5.59	28.2	1913
1914	5.41	3.65	9.52	22.3	52.5	50.8	28.1	10.9	9.01	30.2	25.2	5.75	21.2	1914
1915	5.10	5.29	25.4	19.9	49.4	77.8	56.3	29.8	23.7	26.5	20.9	9.23	29.4	1915
1916	4.32	21.4	23.2	24.4	82.5	147	114	39.8	29.0	15.5	7.69	4.75	40.6	1916
1917	4.98	4.45	5.17	20.2	66.8	129	58.5	10.5	5.99	---	8.28	5.50	---	1917
1918	25.6	7.04	13.8	29.5	55.2	73.2	10.8	---	---	---	7.39	4.65	---	1918
1919	4.44	4.29	5.69	9.15	36.2	24.4	3.26	1.50	0.856	2.84	4.70	5.22	8.57	1919
1920	5.62	7.02	13.8	22.4	63.9	72.5	38.5	7.39	6.26	6.97	8.17	6.18	21.6	1920
1921	5.09	5.96	11.8	22.2	58.9	78.4	15.7	2.06	1.75	12.2	11.2	9.35	19.6	1921
1922	4.93	3.83	3.26	9.83	55.6	88.3	23.4	3.61	2.14	4.31	7.21	4.11	17.5	1922
1923	4.79	3.34	4.59	12.3	45.9	74.5	24.0	8.05	10.7	7.33	8.26	4.44	17.5	1923
1924	2.71	6.96	5.81	14.4	35.0	62.1	28.6	4.60	1.64	3.22	9.05	8.11	15.2	1924
1925	6.61	6.84	15.7	40.0	70.6	68.1	21.4	4.71	4.08	15.2	7.28	5.75	22.2	1925
1926	2.30	3.42	3.99	8.46	8.28	6.32	4.13	0.900	7.81	25.3	13.1	7.78	7.67	1926
1927	5.24	5.07	7.88	18.5	107	167	64.0	22.2	39.3	35.6	26.4	11.0	42.5	1927
1928	36.2	6.60	25.9	22.7	98.4	67.6	83.5	16.8	4.79	28.2	13.2	6.79	34.4	1928
1929	3.76	3.92	20.2	16.3	43.3	70.3	14.4	1.76	1.11	2.01	4.66	3.85	15.5	1929
1930	3.74	10.3	10.3	35.9	56.5	45.9	5.48	0.952	2.65	7.03	5.07	3.53	15.6	1930
1931	1.06	3.67	3.41	3.53	19.6	13.4	1.24	1.44	2.31	2.46	4.06	2.76	5.21	1931
1932	---	---	13.6	13.5	44.3	51.3	10.4	0.869	1.89	4.00	7.61	6.62	---	1932
1933	5.53	3.25	4.88	11.4	45.6	82.3	20.1	1.26	2.17	10.3	28.9	12.3	19.1	1933
1934	20.0	17.1	17.7	40.2	59.3	65.9	8.50	0.683	1.31	4.21	23.9	8.21	22.2	1934
1935	10.6	16.8	9.35	16.6	30.9	31.9	4.44	2.61	0.659	1.92	3.22	2.64	10.9	1935
1936	2.68	1.22	8.25	16.2	30.0	24.0	0.693	0.510	0.429	0.676	3.36	2.29	7.53	1936
1937	2.91	2.78	4.97	7.90	12.0	73.9	5.49	1.30	1.10	7.13	10.0	5.04	11.2	1937
1938	4.03	3.64	5.72	10.8	46.3	55.5	15.2	1.32	3.67	4.54	8.36	4.87	13.7	1938
1939	4.45	3.70	8.80	7.96	16.3	24.4	7.12	0.492	0.596	1.32	1.19	3.03	6.62	1939
1940	2.69	2.63	7.12	7.03	22.1	7.12	1.36	0.696	1.14	2.00	4.39	4.13	5.22	1940
1941	3.50	3.01	4.44	5.16	6.82	11.3	3.01	0.402	2.14	10.1	5.08	10.8	5.56	1941
1942	8.11	3.93	5.30	13.9	23.7	81.0	26.8	9.10	5.77	10.5	7.80	6.36	16.9	1942
1943	3.12	4.09	12.8	32.5	48.4	91.2	42.7	3.11	1.14	1.99	5.66	2.94	20.8	1943
1944	1.74	1.99	2.87	3.46	2.93	7.21	2.36	0.610	0.342	2.36	5.15	3.50	2.87	1944
1945	3.10	3.04	4.44	2.28	21.4	76.5	14.5	0.454	0.528	3.00	9.94	5.27	12.0	1945
1946	4.54	3.97	7.50	11.5	20.8	38.5	9.93	0.810	0.896	2.98	10.6	7.19	10.1	1946
1947	6.00	7.62	23.4	31.0	62.3	48.9	9.43	3.66	11.1	18.7	11.1	4.77	19.9	1947
1948	4.37	3.02	7.51	32.1	86.7	151	18.7	5.06	1.13	1.01	3.92	1.63	26.5	1948
1949	1.38	2.47	7.11	9.77	25.5	32.8	1.00	0.642	0.723	3.32	8.58	10.3	8.70	1949
1950	6.32	4.54	8.58	10.1	48.6	102	51.8	5.51	0.902	9.53	26.7	11.2	24.5	1950
1951	10.4	9.43	18.5	31.2	55.3	86.8	86.1	67.2	49.5	59.5	44.5	4.51	43.9	1951
1952	0.142	0.142	4.26	12.6	31.9	46.2	37.3	33.8	6.54	1.89	1.08	0.763	14.8	1952
1953	0.684	0.900	3.06	2.75	19.4	187	43.0	35.0	12.0	11.2	6.47	4.69	27.1	1953
1954	1.30	0.955	0.864	15.0	62.5	49.8	8.83	9.79	31.1	53.1	33.9	18.7	23.9	1954
1955	1.77	0.579	2.15	25.6	32.0	28.1	40.2	12.5	6.71	33.1	27.2	17.8	19.1	1955
1956	7.47	5.39	8.08	5.95	13.2	27.2	36.5	20.5	22.7	20.5	10.8	5.07	15.3	1956
1957	0.187	0.907	2.71	6.80	11.3	25.1	4.52	2.49	2.31	8.43	8.06	0.476	6.11	1957
1958	0.164	0.153	2.03	20.1	1.09	28.1	9.99	2.83	1.17	2.90	8.03	0.425	6.38	1958
1959	1.33	13.7	16.7	9.69	29.2	49.5	15.7	4.06	9.45	3.12	24.9	10.0	15.5	1959
1960	7.23	6.72	14.6	21.4	25.2	10.8	2.82	1.94	1.15	1.25	1.03	0.760	7.92	1960
1961	0.344	0.516	1.06	0.853	1.44	1.38	1.51	0.978	1.69	1.20	0.637	0.049	0.979	1961
1962	2.06	4.12	10.3	12.4	1.86	1.13	1.38	1.31	1.11	1.10	1.59	0.262	3.21	1962
1963	0.107	0.592	1.32	0.736	0.665	2.89	21.0	2.02	0.822	1.16	1.99	0.964	2.86	1963
1964	0.412	0.416	0.544	2.09	66.4	110	9.51	3.66	0.973	0.983	1.50	3.87	16.6	1964
1965	1.66	4.37	6.59	36.2	66.5	83.9	46.9	8.09	17.6	31.3	6.36	5.93	26.4	1965
1966	6.48	5.04	10.7	26.1	37.9	51.7	31.1	5.76	16.1	2.43	2.80	1.74	16.5	1966
1967	3.08	6.21	13.3	30.3	106	123	17.3	2.47	2.16	1.39	2.86	0.538	25.7	1967
1968	0.648	0.634	1.34	2.81	8.87	40.2	3.50	8.81	38.5	13.4	39.4	6.49	13.6	1968
1969	0.630	1.58	10.7	24.9	27.8	23.2	35.0	13.8	1.71	1.77	1.54	0.795	12.0	1969
1970	0.824	0.976	1.13	1.75	28.9	35.8	25.6	9.02	2.15	1.91	2.06	6.10	9.75	1970
1971	6.95	6.34	4.91	9.89	36.8	65.6	14.2	7.26	6.06	9.41	4.74	3.08	14.6	1971
1972	3.66	4.22	37.3	30.1	68.3	80.0	12.1	15.0	2.55	11.3	9.63	2.93	23.1	1972
1973	4.50	4.16	4.49	2.66	2.98	8.84	3.97	3.30	3.93	9.06	3.79	0.663	4.29	1973
1974	0.828	2.44	3.79	5.76	29.1	44.9	11.6	9.52	14.3	3.11	4.33	0.927	10.9	1974
1975	0.934	1.03	1.23	6.84	61.9	194	67.8	10.1	40.0	17.0	1.71	9.29	34.3	1975
1976	11.7	10.3	12.2	3.37	17.5	4.94	9.50	28.7	9.97	11.1	4.71	4.78	10.5	1976
1977	2.77	4.22	2.17	1.92	2.27	2.67	2.78	2.33	1.97	2.47	4.12	1.45	2.42	1977
1978	1.18	1.36	7.38	3.66	35.1	55.2	16.5	13.4	62.8	37.1	8.48	2.25	20.4	1978
1979	2.36	2.00	26.8	23.4	56.2	22.9	4.76	4.77	3.67	4.77	3.09	1.90	13.1	1979
1980	1.93	2.10	2.50	3.13	22.0	47.3	8.20	6.72	3.42	11.7	4.61	8.01	10.1	1980
1981	9.85	1.63	1.46	1.39	59.8	35.2	3.59	4.30	3.06	3.79	6.68	3.38	11.2	1981
1982	2.60	2.45	3.46	12.5	10.2	29.5	24.0	4.35	2.98	11.8	11.9	5.52	10.1	1982
1983	3.35	3.30	4.26	2.70	5.79	2.49	2.86	2.81	2.26	3.99	5.17	3.85	3.58	1983
1984	5.82	1.83	1.18	1.30	1.54	1.84	2.31	2.62	2.15	1.44	1.21	0.884	2.02	1984
1985	0.745	0.787	1.59	1.38	13.0	4.85	2.83	2.53	2.52	7.20	19.8	6.46	5.32	1985
1986	3.51	8.96	21.6	10.4	26.7	16.0	2.92	4.59	2.31	11.8	5.96	4.32	10.1	1986
1987	3.91	3.15	1.96	2.06	2.29	7.91	5.04	12.4	26.0	11.4	2.87	1.17	6.65	1987
1988	0.962	1.33	1.66	1.33	4.44	2.38	4.56	3.74	3.05	12.6	1.54	0.966	3.06	1988
1989	0.897	0.639	3.40	2.23	1.78	2.65	3.20	3.17	21.6	11.4	30.7	12.2	7.80	1989
1990	7.08	4.84	11.4	13.3	22.0	33.2	7.06	3.89	3.47	2.71	8.63	3.68	10.1	1990
MEAN	4.62	4.38	8.51	14.2	36.1	53.5	20.7	8.29	8.55	10.4	9.92	5.13	15.0	MEAN

LOCATION - LAT 49 34 24 N DRAINAGE AREA, 3 530 km²
LONG 112 50 36 W REGULATED SINCE 1911

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	98.3 ON JUL 27	3.77 B ON MAR 16	---	1912
1913	---	168 ON JUN 03	1.30 ON OCT 05	890 000	1913
1914	---	67.1 ON MAY 24	1.59 B ON FEB 04	669 000	1914
1915	---	162 ON JUL 29	3.91 B ON MAR 03	927 000	1915
1916	---	254 ON JUN 22	3.68 B ON JAN 02	1 280 000	1916
1917	---	163 E ON JUN 13	4.11 B ON DEC 10	---	1917
1918	146 AT 10:00 MST ON JUN 16	141 ON JUN 16	1.90 B ON DEC 22	---	1918
1919	---	101 ON MAY 31	0.566 ON AUG 23	270 000	1919
1920	118 AT 11:00 MST ON JUN 19	112 ON JUN 19	1.39 ON SEP 13	682 000	1920
1921	113 AT 00:30 MST ON JUN 09	109 ON JUN 09	1.10 ON AUG 13	617 000	1921
1922	128 AT 12:00 MST ON JUN 08	126 ON JUN 08	1.06 B ON DEC 01	553 000	1922
1923	---	101 A ON JUN 22	2.32 B ON FEB 06	570 000	1923
1924	105 AT 12:00 MST ON JUN 08	91.5 ON JUN 09	1.09 B ON JAN 08	479 000	1924
1925	118 AT 16:00 MST ON MAY 24	116 ON MAY 25	1.22 A ON AUG 31	701 000	1925
1926	---	51.0 ON OCT 20	0.408 ON AUG 29	242 000	1926
1927	300 AT 03:30 MST ON MAY 30	261 ON MAY 30	4.13 B ON JAN 23	1 340 000	1927
1928	218 AT 06:00 MST ON JUL 02	206 ON JUL 02	1.98 ON OCT 01	1 090 000	1928
1929	175 AT 21:45 MST ON JUN 01	109 ON JUN 04	0.750 ON AUG 31	488 000	1929
1930	82.7 AT 11:30 MST ON MAY 05	80.1 ON MAY 05	0.569 ON JUL 18	491 000	1930
1931	46.7 ON MAY 18	42.8 ON MAY 19	0.340 ON JUL 25	164 000	1931
1932	224 AT 09:00 MST ON MAY 22	139 ON MAY 22	0.419 ON AUG 10	---	1932
1933	118 AT 08:00 MST ON JUN 10	112 ON JUN 07	0.411 ON AUG 16	604 000	1933
1934	159 E AT 12:00 MST ON JUN 09	156 E ON JUN 09	0.595B ON DEC 25	699 000	1934
1935	---	75.6 ON MAY 26	0.096A ON SEP 23	344 000	1935
1936	71.4 AT 01:00 MST ON APR 12	57.5 ON JUN 06	0 ON JUL 25 *	238 000	1936
1937	238 AT 01:30 MST ON JUN 14	196 ON JUN 14	0.583 ON SEP 21	352 000	1937
1938	140 AT 18:30 MST ON MAY 29	136 ON MAY 29	0.736 ON OCT 02	431 000	1938
1939	42.2 AT 18:00 MST ON MAY 25	38.2 ON MAY 26	0.396 ON SEP 05	209 000	1939
1940	36.8 AT 11:30 MST ON MAY 22	34.5 ON MAY 22	0.181 ON SEP 01	165 000	1940
1941	27.2 AT 16:00 MST ON JUN 05	26.7 ON JUN 05	0.125A ON AUG 14	175 000	1941
1942	175 AT 23:00 MST ON JUN 06	165 ON JUN 07	1.50 ON AUG 29	532 000	1942
1943	138 AT 22:00 MST ON JUN 21	136 ON JUN 21	0.411 ON SEP 30	656 000	1943
1944	21.3 AT 09:00 MST ON JUN 29	18.9 ON JUN 29	0.119 ON APR 29	90 700	1944
1945	125 AT 09:00 MST ON JUN 08	123 ON JUN 08	0.113 ON SEP 07	378 000	1945
1946	68.8 AT 19:30 MST ON JUN 07	62.9 ON JUN 08	0.092 ON AUG 13	320 000	1946
1947	96.6 AT 06:00 MST ON MAR 20	87.2 ON MAR 20	0.575 ON AUG 20	627 000	1947
1948	416 AT 08:30 MST ON JUN 18	362 ON JUN 18	0.507 ON OCT 28	839 000	1948
1949	59.7 AT 17:00 MST ON JUN 01	59.2 ON JUN 01	0.462 ON AUG 21	274 000	1949
1950	137 AT 09:00 MST ON JUN 26	133 ON JUN 26	0.269 ON SEP 07	772 000	1950
1951	167 AT 08:30 MST ON JUN 25	136 ON JUN 25	0.142B ON DEC 20	1 390 000	1951
1952	68.8 AT 06:30 MST ON JUN 16	67.4 ON JUN 15	0.113B ON DEC 19	467 000	1952
1953	442 AT 12:00 MST ON JUN 04	408 ON JUN 04	0.340B ON JAN 16	855 000	1953
1954	199 AT 13:00 MST ON MAY 21	175 ON MAY 22	0.255B ON JAN 12	754 000	1954
1955	108 ON JUN 28	104 ON JUL 04	0.198B ON MAR 04	602 000	1955
1956	113 AT 08:00 MST ON JUN 01	113 ON JUN 01	0.665 ON NOV 11	485 000	1956
1957	83.0 AT 20:00 MST ON MAY 23	81.6 ON MAY 23	0 B ON JAN 10	193 000	1957
1958	94.0 AT 17:00 MST ON JUN 12	88.6 ON JUN 13	0.028B ON JAN 12	201 000	1958
1959	114 AT 03:00 MST ON JUN 11	113 ON JUN 11	0.028B ON JAN 05	490 000	1959
1960	---	40.5 ON MAY 21	0.453B ON DEC 18	250 000	1960
1961	5.41 AT 14:00 MST ON JUN 19	2.80 ON JUN 06	0 B ON DEC 14	30 900	1961
1962	31.7 B AT 13:00 MST ON MAR 19	26.9 B ON MAR 19	0.003B ON DEC 19	101 000	1962
1963	106 AT 03:00 MST ON JUL 01	86.1 ON JUL 01	0.017B ON JAN 15	90 300	1963
1964	459 AT 04:00 MST ON JUN 11	447 ON JUN 11	0.218 ON OCT 05	527 000	1964
1965	123 AT 10:00 MST ON JUN 27	122 ON JUN 27	0.762B ON JAN 26	831 000	1965
1966	119 AT 19:00 MST ON JUN 06	118 ON JUN 07	0.425B ON DEC 01	520 000	1966
1967	---	185 E ON MAY 26	0.255B ON DEC 17	811 000	1967
1968	---	86.9 ON SEP 26	0.170B ON JAN 09	430 000	1968
1969	---	163 ON JUN 30	0.283B ON NOV 25	379 000	1969
1970	150 AT 14:33 MST ON JUN 16	147 ON JUN 16	0.204B ON NOV 24	308 000	1970
1971	---	166 ON JUN 01	0.799B ON DEC 07	459 000	1971
1972	141 AT 06:40 MST ON JUN 10	131 ON JUN 13	1.31 ON OCT 22	731 000	1972
1973	26.9 AT 00:30 MST ON JUN 22	26.3 ON JUN 21	0.207B ON DEC 16	135 000	1973
1974	90.9 AT 11:20 MST ON JUN 22	90.0 ON JUN 22	0.425B ON JAN 06	343 000	1974
1975	731 AT 21:50 MST ON JUN 20 *	702 ON JUN 21 *	0.691B ON FEB 02	1 080 000	1975
1976	53.0 AT 06:40 MST ON MAY 20	52.1 ON MAY 20	1.76 B ON NOV 20	333 000	1976
1977	12.0 B AT 11:10 MST ON FEB 27	6.20B ON FEB 21	0.311B ON NOV 21	76 300	1977
1978	95.4 AT 15:35 MST ON JUN 13	94.9 ON JUN 13	1.02 B ON JAN 03	643 000	1978
1979	116 AT 16:35 MST ON MAY 30	116 ON MAY 30	0.875B ON DEC 12	414 000	1979
1980	266 AT 02:35 MST ON MAY 27	242 ON MAY 27	1.60 B ON JAN 07	320 000	1980
1981	---	225 ON MAY 25	0.249B ON JAN 23	355 000	1981
1982	72.8 AT 10:30 MST ON JUN 10	69.8 ON JUN 09	2.06 B ON FEB 27	119 000	1982
1983	25.6 AT 20:15 MST ON MAY 26	25.0 ON MAY 26	1.30 ON OCT 11	113 000	1983
1984	---	9.00B ON JAN 28	0.564B ON FEB 20	63 800	1984
1985	30.0 AT 11:30 MST ON OCT 30	29.8 ON OCT 30	0.380B ON FEB 06	168 000	1985
1986	---	81.0 B ON FEB 27	1.38 B ON NOV 12	319 000	1986
1987	215 E AT 20:50 MST ON SEP 30	44.9 ON SEP 30	0.770B ON DEC 14	210 000	1987
1988	24.0 AT 02:20 MST ON OCT 26	23.7 ON OCT 23	0.480B ON NOV 27	96 700	1988
1989	57.2 AT 05:45 MST ON NOV 16	51.1 A ON NOV 20	0.350B ON FEB 04	246 000	1989
1990	88.6 AT 22:00 MST ON JUN 01	87.2 ON JUN 02	1.70 B ON NOV 06	318 000	1990
				475 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.093	---	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	0.093	0.020	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 54 00 N
LONG 110 38 00 W

REGULATED

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON APR 27 *	---	1915
1916	---	---	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	1.18	---	---	---	1974
1975	---	---	0.040	10.0	22.6	18.0	44.9	12.3	5.89	5.29	---	---	14.9	1975
1976	---	---	0.074	21.7	29.1	31.2	19.6	9.04	8.48	6.45	---	---	15.7	1976
1977	---	---	0.024	8.46	30.0	39.8	32.4	12.9	2.20	1.25	---	---	15.9	1977
1978	---	---	0.008	0.885	31.5	8.39	2.92	3.55	3.97	2.80	---	---	6.78	1978
1979	---	---	0.009	0.042	23.4	44.2	8.49	2.63	6.94	4.23	---	---	11.2	1979
1980	---	---	0	1.59	1.88	0.659	0.086	0.023	0.020	0.087	---	---	0.539	1980
1981	---	---	0.009	0.858	18.4	3.14	1.18	0.041	0.012	0.171	---	---	3.00	1981
1982	---	---	0.007	0.056	34.8	2.90	0.256	0.059	0.061	0.097	---	---	4.83	1982
1983	---	---	0.007	5.69	32.1	8.76	0.568	0.093	0.064	0.080	---	---	5.94	1983
1984	---	---	0.008	2.46	1.04	1.49	25.2	3.50	8.95	7.03	---	---	6.23	1984
1985	---	---	0.041	2.51	39.0	5.85	2.38	9.62	13.2	7.53	---	---	10.1	1985
1986	---	---	0.071	5.60	40.1	16.6	11.7	4.89	1.83	2.21	---	---	10.4	1986
1987	---	---	0.103	9.98	35.8	12.3	6.17	2.20	4.39	3.33	---	---	9.54	1987
1988	---	---	0.016	6.27	29.8	41.0	42.6	11.1	2.86	3.11	---	---	17.1	1988
1989	---	---	0.082	0.913	45.5	15.7	5.69	4.68	1.09	0.957	---	---	9.37	1989
1990	---	---	0.053	4.70	23.9	12.0	0.842	0.112	0.023	0.260	---	---	5.23	1990
MEAN	---	---	0.035	5.11	27.4	16.4	12.8	4.80	3.75	2.83	---	---	9.17	MEAN

LOCATION - LAT 59 34 21 N DRAINAGE AREA, 2 610 km^2
LONG 117 11 49 W NATURAL FLOW

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	100 AT 11:45 MST ON JUL 05 *	97.1 ON JUL 05 *	0.008B ON APR 09	316 000	1975
1976	66.5 AT 14:00 MST ON APR 29	66.3 ON APR 29	0.071B ON MAR 15	331 000	1976
1977	64.8 AT 11:00 MST ON JUN 12	64.6 ON JUN 12	0.023B ON MAR 02	336 000	1977
1978	65.1B AT 00:30 MST ON MAY 06	60.0 B ON MAY 06	0.001B ON MAR 01	144 000	1978
1979	94.6 AT 17:00 MST ON JUN 03	94.3 ON JUN 03	0.007B ON APR 01	236 000	1979
1980	11.5B AT 05:30 MST ON APR 24	7.30B ON APR 24	0 B ON MAR 01 *	11 400	1980
1981	33.9 AT 00:00 MST ON MAY 09	32.9 ON MAY 09	0.005B ON MAR 06	63 400	1981
1982	57.0 AT 19:30 MST ON MAY 07	55.4 ON MAY 07	0.003B ON MAR 01	102 000	1982
1983	60.8B AT 19:00 MST ON APR 30	52.6 B ON APR 30	0.004B ON APR 01	126 000	1983
1984	45.9 AT 18:00 MST ON JUL 08	45.7 ON JUL 09	0.001B ON MAR 20	132 000	1984
1985	66.9 AT 21:30 MST ON MAY 10	66.3 ON MAY 11	0.030B ON MAR 05	213 000	1985
1986	67.2B AT 11:00 MST ON MAY 04	64.0 B ON MAY 04	0.057B ON MAR 17	220 000	1986
1987	66.8 AT 19:00 MST ON MAY 06	66.3 ON MAY 06	0.085B ON APR 02	202 000	1987
1988	---	92.0 ON JUL 06	0.008B ON MAR 01	362 000	1988
1989	92.1 AT 17:00 MST ON MAY 06	91.5 ON MAY 06	0.075B ON MAR 01	198 000	1989
1990	34.7 AT 21:00 MST ON MAY 11	34.5 ON MAY 12	0.021 ON SEP 08	111 000	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		194 000	MEAN

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	3.02	2.07	0.763	---	1972
1973	0.519	---	---	---	---	---	---	---	---	---	---	1.30	---	1973
1974	0.609	0.607	0.576	19.2	25.6	12.4	8.86	7.80	4.12	5.33	1.80	0.959	10.5	1974
1975	0.641	0.438	0.415	2.65	13.8	14.0	27.3	15.3	30.2	17.4	2.77	0.719	15.1	1975
1976	0.518	0.415	0.469	8.23	5.65	3.17	4.18	5.52	10.7	7.31	2.06	0.461	5.66	1976
1977	0.355	0.355	0.431	6.32	7.22	7.20	5.47	2.94	2.32	2.61	0.809	0.304	4.30	1977
1978	0.352	0.354	0.315	3.01	10.9	5.66	2.24	7.76	23.4	16.4	4.58	1.10	8.68	1978
1979	0.595	0.406	0.369	0.826	30.1	10.6	3.80	4.86	6.97	4.89	2.59	0.742	7.82	1979
1980	0.368	0.214	0.370	3.63	1.81	2.07	0.802	6.08	13.7	7.53	2.52	0.615	4.48	1980
1981	0.457	0.431	0.477	2.92	5.64	3.54	6.78	1.47	0.168	0.758	0.949	0.385	2.73	1981
1982	0.228	0.174	0.206	3.00	18.4	4.42	1.53	2.43	2.34	1.32	0.834	0.390	4.22	1982
1983	0.385	0.325	0.357	3.11	4.23	3.74	2.34	1.86	1.18	1.62	1.45	0.212	2.30	1983
1984	0.081	0.159	0.289	2.94	2.22	11.2	14.8	10.7	13.3	10.3	4.02	1.41	8.20	1984
1985	0.535	0.379	0.365	6.96	33.0	5.56	2.02	0.627	2.35	4.62	1.86	0.652	6.96	1985
1986	0.396	0.237	0.647	3.63	15.4	8.38	13.2	6.84	2.19	2.85	1.33	0.665	6.67	1986
1987	0.440	0.399	0.476	9.86	22.8	12.4	2.73	2.34	1.96	2.30	---	---	6.84	1987
1988	---	---	0.470	4.67	12.1	10.3	20.9	2.31	14.5	4.56	---	---	9.09	1988
1989	---	---	0.372	1.97	46.6	16.8	18.5	5.96	4.36	7.01	---	---	12.8	1989
1990	---	---	0.429	8.30	30.8	10.7	4.84	0.789	0.418	1.09	---	---	7.18	1990
MEAN	0.432	0.350	0.414	5.37	16.8	8.36	8.25	5.21	7.89	5.62	2.12	0.717	7.27	MEAN

LOCATION - LAT 57 00 14 N
LONG 111 24 53 W
DRAINAGE AREA, 1 320 km²
NATURAL FLOW

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	61.7 AT 10:35 MST ON APR 27	60.9 ON APR 27	0.498B ON MAR 27	221 000	1974
1975	56.6A AT 10:30 MST ON JUL 19	55.8 A ON JUL 19	0.394B ON MAR 03	320 000	1975
1976	19.1 AT 09:40 MST ON AUG 29	18.9 ON AUG 29	0.411B ON MAR 01	120 000	1976
1977	16.2 AT 16:24 MST ON APR 22	13.0 ON MAY 31	0.396B ON MAR 01	91 000	1977
1978	33.7 AT 19:10 MST ON SEP 25	33.4 ON SEP 25	0.255B ON MAR 04	184 000	1978
1979	66.1 AT 20:55 MST ON MAY 21	65.2 ON MAY 20	0.310B ON APR 08	166 000	1979
1980	18.9 AT 01:00 MST ON SEP 24	18.2 ON SEP 22	0.140 ON JUL 16	94 700	1980
1981	11.9 AT 13:00 MST ON JUL 13	11.7 ON JUL 13	0.022 ON SEP 18 *	57 700	1981
1982	28.4B AT 09:25 MST ON MAY 08	25.2 ON MAY 11	0.170B ON MAR 01	89 300	1982
1983	11.2 AT 15:54 MST ON APR 23	9.68 ON APR 23	0.300B ON MAR 01	48 700	1983
1984	37.8 AT 16:12 MST ON JUL 11	34.3 ON JUL 11	0.245B ON MAR 01	174 000	1984
1985	92.0E AT 17:29 MST ON MAY 07 *	81.0 E ON MAY 08 *	0.259 ON AUG 24	147 000	1985
1986	23.4 AT 23:17 MST ON MAY 12	22.9 ON MAY 12	0.202B ON MAR 06	141 000	1986
1987	33.8 AT 06:58 MST ON MAY 04	33.3 ON MAY 04	0.430B ON MAR 01	145 000	1987
1988	40.0 AT 16:35 MST ON JUL 15	39.0 ON JUL 15	0.370B ON MAR 01	192 000	1988
1989	---	70.0 E ON MAY 20	0.310B ON MAR 17	270 000	1989
1990	65.9 AT 00:33 MST ON MAY 09	62.0 ON MAY 08	0.242B ON MAR 29	152 000	1990
				154 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	1.56	3.37	1.35	0.412	0.694	---	---	---	1912
1913	---	---	---	---	0.892	1.78	0.824	0.520	0.296	---	---	---	---	1913
1914	---	---	---	---	---	0.776	0.121	0	0.004	---	---	---	---	1914
1915	---	---	---	0.526	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	2.94	9.22	4.10	2.54	2.38	1.55	---	---	---	1916
1917	---	---	---	---	8.46	9.86	0.929	0.225	0.217	0.172	---	---	---	1917
1918	---	---	---	0.523	0.558	0.374	0.048	0.002	0.004	0.036	---	---	---	1918
1919	---	---	0.140	0.546	0.216	0.034	---	---	---	---	---	---	---	1919
1938	---	---	---	---	---	---	---	0.007	0	0	---	---	---	1938
1939	---	---	0.316	0.331	0.075	1.72	0.264	0.148	0.005	0.061	---	---	0.361	1939
1940	---	---	0.042	0.949	1.40	0.501	0.128	0.008	0.051	0.187	---	---	0.407	1940
1941	---	---	---	0.228	0.249	0.713	0.043	0.024	0.302	0.399	---	---	---	1941
1942	---	---	---	0.871	14.5	11.9	3.65	2.88	3.27	0.953	---	---	---	1942
1943	---	---	0.973	5.07	1.62	1.07	0.223	0.006	0	0	---	---	1.11	1943
1944	---	---	0.060	0.265	0.145	0.126	0.037	0	0	0	---	---	0.078	1944
1945	---	---	0.004	0.193	1.13	2.80	0.645	0.057	0.129	0.134	---	---	0.632	1945
1946	---	---	0.371	0.632	0.771	3.08	0.563	0.102	0.222	0.288	---	---	0.746	1946
1947	---	---	2.11	2.95	2.21	3.65	0.493	0.393	0.621	0.508	---	---	1.59	1947
1948	---	---	0.436	3.74	6.51	4.55	1.16	0.401	0.051	0.082	---	---	2.11	1948
1949	---	---	0	1.26	0.534	0.753	0.056	0.007	0	0	---	---	0.322	1949
1950	---	---	0.126	1.22	1.01	0.450	0.151	0.053	0	0	---	---	0.375	1950
1951	---	---	0.226	1.66	3.00	6.79	4.17	2.54	3.88	2.83	---	---	3.12	1951
1952	---	---	1.34	5.02	4.19	2.77	1.17	0.232	0.188	0.037	---	---	1.86	1952
1953	---	---	1.42	2.74	5.56	13.9	1.58	0.125	0.040	0.045	---	---	3.14	1953
1954	---	---	0.101	1.56	2.53	1.48	0.354	0.417	0.400	0.575	---	---	0.924	1954
1955	---	---	0.302	2.95	7.48	1.95	1.89	0.101	0.035	0.046	---	---	1.85	1955
1956	---	---	---	0.655	0.879	0.322	0.798	0.120	0.354	0.063	---	---	---	1956
1957	---	---	0.654	2.16	1.88	1.35	0.116	0.013	0.025	0.105	---	---	0.784	1957
1958	---	---	0.079	2.39	2.19	2.58	1.03	0.328	0.117	0.074	---	---	1.22	1958
1959	---	---	0.426	1.03	2.37	2.21	0.338	0.009	0.039	0.066	---	---	0.809	1959
1960	---	---	0.286	0.415	2.03	0.565	0.045	0	0	0	---	---	0.419	1960
1961	---	---	0.053	0.287	0.578	0.095	0.002	0.008	0	0.123	---	---	0.144	1961
1962	---	---	0.691	1.97	0.642	0.422	0.034	0	0	0	---	---	0.466	1962
1963	---	---	0.078	0.174	0.210	1.77	2.55	0.145	0.068	0.002	---	---	0.624	1963
1964	---	---	0	0.471	1.59	1.18	0.162	0	0	0	---	---	0.424	1964
1965	---	---	0.459	2.63	0.630	1.58	1.21	0.208	0.383	0.258	---	---	0.912	1965
1966	---	---	0.145	0.886	1.30	2.94	0.646	0.288	0.095	0.157	---	---	0.827	1966
1967	---	---	0.893	1.63	5.82	5.54	0.575	0.129	0.052	0.089	---	---	1.83	1967
1968	---	---	0.326	0.468	0.531	0.798	0.278	0.286	0.609	0.761	---	---	0.506	1968
1969	---	---	0.706	4.14	2.38	5.83	6.97	0.348	0.178	0.206	---	---	2.59	1969
1970	---	---	0.184	0.714	1.41	2.68	0.523	0.081	0.070	0.116	---	---	0.716	1970
1971	---	---	0.174	1.96	0.924	1.47	0.163	0.025	0.044	0.089	---	---	0.600	1971
1972	---	---	0.868	1.82	2.70	0.871	0.295	0.242	0.199	0.333	---	---	0.912	1972
1973	---	---	0.377	1.16	2.23	1.18	0.169	0.052	0.058	0.063	---	---	0.660	1973
1974	---	---	0.533	1.53	4.15	1.41	0.294	0.199	0.242	0.243	---	---	1.07	1974
1975	---	---	0.003	1.92	4.33	3.00	1.02	0.284	0.164	0.221	---	---	1.36	1975
1976	---	---	0.551	0.756	0.828	0.402	0.106	1.51	0.298	0.198	---	---	0.582	1976
1977	---	---	0.328	0.559	0.414	0.100	0.045	0.171	0.160	0.140	---	---	0.239	1977
1978	---	---	1.11	1.07	2.36	1.55	0.799	0.302	0.267	0.135	---	---	0.949	1978
1979	---	---	0.885	1.66	2.37	0.621	0.274	0.067	0.014	0.107	---	---	0.751	1979
1980	---	---	0.271	1.54	0.756	1.11	0.144	0.153	0.189	0.225	---	---	0.543	1980
1981	---	---	0.397	0.330	4.27	2.64	0.852	0.413	0.188	0.162	---	---	1.16	1981
1982	---	---	0.011	0.742	0.493	1.44	0.493	0.115	0.110	0.114	---	---	0.436	1982
1983	---	---	0.222	0.770	0.598	0.284	0.086	0.034	0.036	0.059	---	---	0.260	1983
1984	---	---	0.163	0.146	0.106	0.085	0.004	0	0	0	---	---	0.063	1984
1985	---	---	0.012	0.295	0.101	0.055	0.011	0	0.188	0.262	---	---	0.115	1985
1986	---	---	0.523	0.599	1.43	0.703	0.242	0.078	0.297	0.358	---	---	0.529	1986
1987	---	---	0.343	0.654	0.381	0.064	0.177	0.215	0.097	0.086	---	---	0.252	1987
1988	---	---	0.028	0.119	0.106	0.151	0.005	0.001	0	0.013	---	---	0.052	1988
1989	---	---	0	0.304	0.313	0.206	0.061	0.048	0.074	0.074	---	---	0.134	1989
1990	---	---	0.161	0.395	2.53	2.49	0.471	0.323	0.099	0.194	---	---	0.830	1990
MEAN	---	---	0.398	1.30	2.14	2.21	0.844	0.310	0.292	0.240	---	---	0.865	MEAN

LOCATION - LAT 50 25 50 N DRAINAGE AREA, 263 km²
LONG 114 09 55 W REGULATED SINCE 1966

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.3 ON JUN 16	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 27 *	---	1914
1915	---	---	---	---	1915
1916	---	27.8 ON JUN 28	---	---	1916
1917	---	23.3 ON JUN 11	---	---	1917
1918	---	1.30 ON MAY 31	0 ON JUL 30	---	1918
1919	---	1.61 ON MAR 30	0 ON MAR 01	---	1919
1938	---	---	0 ON AUG 08	---	1938
1939	---	8.47 ON JUN 17	0 B ON MAR 01	7 640	1939
1940	---	2.83 ON APR 29	0 B ON MAR 01	8 610	1940
1941	---	3.71 ON JUN 02	0 ON JUL 21	---	1941
1942	---	57.5 ON MAY 11 *	---	---	1942
1943	---	24.2 E ON APR 02	0 B ON MAR 01	23 500	1943
1944	---	0.682 ON APR 01	0 B ON MAR 01	1 660	1944
1945	---	13.1 ON JUN 28	0 ON MAR 01	13 400	1945
1946	29.7 AT 20:00 MST ON JUN 06	25.5 ON JUN 06	0 B ON MAR 01	15 800	1946
1947	---	17.4 ON JUN 02	0.014 ON SEP 27	33 800	1947
1948	15.6 AT 17:30 MST ON APR 30	15.5 ON APR 30	0.034 ON SEP 24	44 600	1948
1949	---	5.35 ON APR 06	0 B ON MAR 01	6 820	1949
1950	---	4.16 B ON APR 15	0 B ON MAR 01	7 930	1950
1951	---	35.4 ON AUG 31	0 B ON MAR 01	66 100	1951
1952	26.6 AT 19:00 MST ON MAY 14	16.6 ON MAY 15	0 ON AUG 25	39 300	1952
1953	53.2 AT 08:00 MST ON JUN 09	46.7 ON JUN 10	0 B ON MAR 01	66 500	1953
1954	---	6.20 ON MAY 12	0 B ON MAR 16	19 600	1954
1955	---	20.5 ON MAY 19	0 B ON MAR 01	39 100	1955
1956	---	7.84 ON JUL 04	---	---	1956
1957	---	5.15 B ON APR 13	0.003 ON AUG 03	16 600	1957
1958	---	13.2 B ON APR 13	0 B ON MAR 19	25 800	1958
1959	9.54 AT 18:30 MST ON JUN 28	9.46 ON JUN 28	0.003 ON AUG 04	17 100	1959
1960	6.03 AT 06:00 MST ON MAY 02	5.10 ON MAY 02	0 B ON MAR 01	8 870	1960
1961	2.63 AT 01:00 MST ON MAY 17	2.27 ON MAY 17	0 ON MAR 01	3 040	1961
1962	---	6.03 A ON APR 04	0 B ON MAR 01	9 870	1962
1963	44.2 AT 10:00 MST ON JUN 30	32.6 ON JUN 30	0 ON SEP 07	13 200	1963
1964	6.85 AT 23:00 MST ON JUN 17	5.58 ON MAY 07	0 B ON MAR 01	8 970	1964
1965	---	7.90 ON JUN 30	0 B ON MAR 01	19 300	1965
1966	13.1 AT 10:00 MST ON JUN 11	8.75 ON JUN 11	0 B ON MAR 01	17 500	1966
1967	23.3 AT 06:00 MST ON MAY 31	19.5 ON MAY 31	0 B ON MAR 01	38 800	1967
1968	3.85 AT 04:38 MST ON JUN 08	2.83 ON JUN 08	0.059 ON JUL 18	10 700	1968
1969	61.4 AT 13:25 MST ON JUN 29 *	47.3 ON JUN 29	0.057B ON MAR 01	54 700	1969
1970	30.0 AT 07:52 MST ON JUN 14	21.9 ON JUN 14	0.006B ON MAR 01	15 200	1970
1971	12.6 AT 21:00 MST ON JUN 06	8.01 ON JUN 07	0 B ON MAR 01	12 700	1971
1972	14.8 AT 19:30 MST ON MAY 25	8.41 ON MAY 26	0.011B ON MAR 01	19 300	1972
1973	13.9 AT 17:00 MST ON MAY 24	11.8 ON MAY 26	0 ON AUG 23	14 000	1973
1974	12.3 AT 02:30 MST ON MAY 20	9.26 ON MAY 20	0.028B ON MAR 08	22 700	1974
1975	26.2 AT 14:00 MST ON JUN 20	21.7 ON JUN 20	0 B ON MAR 02	28 900	1975
1976	14.0 AT 07:00 MST ON AUG 06	10.0 ON AUG 06	0.013 ON JUL 25	12 300	1976
1977	---	2.12 B ON APR 05	0.014 ON JUL 07	5 070	1977
1978	8.81 AT 14:00 MST ON MAY 31	7.50 ON MAY 31	0.079 ON SEP 04	20 100	1978
1979	6.79 AT 15:00 MST ON JUL 05	3.69 ON MAY 09	0 ON SEP 16	15 900	1979
1980	14.2 B AT 08:00 MST ON APR 13	5.09 B ON APR 13	0.074 ON JUL 12	11 500	1980
1981	18.9 AT 12:00 MST ON JUN 14	14.0 ON JUN 14	0.111 ON OCT 03	24 500	1981
1982	6.35 AT 14:39 MST ON JUN 30	4.76 ON JUN 30	0.001B ON MAR 01	9 520	1982
1983	5.13 AT 17:33 MST ON APR 25	3.26 ON APR 25	0 ON AUG 31	5 500	1983
1984	---	0.660B ON MAR 25	0 ON JUL 03	1 330	1984
1985	1.91 AT 11:33 MST ON SEP 13	0.911 ON SEP 13	0 B ON MAR 04	2 430	1985
1986	3.89 AT 08:16 MST ON JUN 09	2.62 ON JUN 09	0.020 ON AUG 26	11 200	1986
1987	2.51 AT 00:46 MST ON JUL 20	1.68 ON JUL 20	0.003 ON JUN 15	5 330	1987
1988	---	0.780E ON JUN 09	0 ON JUN 24	1 110	1988
1989	0.835B AT 02:30 MST ON APR 16	0.740B ON APR 16	0 B ON MAR 01	2 840	1989
1990	15.4 AT 00:20 MST ON JUN 03	10.1 ON MAY 26	0.067 ON SEP 20	17 600	1990
				18 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.344	0.517	0.527	0.375	0.313	---	---	---	1976
1977	---	---	---	0.175	0.241	0.800	1.22	1.00	0.606	0.384	---	---	---	1977
1978	---	---	3.42	1.81	0.530	0.442	1.14	1.49	1.53	0.437	---	---	1.35	1978
1979	---	---	3.25	0.715	0.684	0.544	0.940	0.751	0.641	0.462	---	---	1.00	1979
1980	---	---	0.229	0.178	0.365	0.609	1.17	1.26	0.697	0.479	---	---	0.624	1980
1981	---	---	0.201	0.090	0.548	0.743	1.03	0.753	0.867	0.397	---	---	0.579	1981
1982	---	---	0.145	0.159	0.219	0.921	1.54	0.916	0.593	0.665	---	---	0.773	1982
1983	---	---	0.196	0.178	0.326	1.02	0.985	1.43	0.505	0.516	---	---	0.641	1983
1984	---	---	0.054	0.062	0.489	1.35	1.39	1.23	0.699	0.401	---	---	0.710	1984
1985	---	---	0.072	0.141	0.353	1.00	2.23	1.21	1.35	0.712	---	---	0.885	1985
1986	---	---	0.441	0.148	0.358	1.43	2.34	1.23	0.703	0.486	---	---	0.894	1986
1987	---	---	0.126	0.143	0.945	1.58	1.72	0.799	0.546	0.785	---	---	0.831	1987
1988	---	---	0.044	0.139	1.54	1.99	1.75	1.21	1.01	0.519	---	---	1.02	1988
1989	---	---	0.524	0.298	0.766	1.61	1.77	1.31	0.457	0.687	---	---	0.932	1989
1990	---	---	0.205	0.131	0.559	0.695	2.06	1.14	1.10	1.19	---	---	0.889	1990
MEAN	---	---	0.682	0.386	0.567	1.01	1.45	1.08	0.779	0.562	---	---	0.856	MEAN

LOCATION - LAT 49 31 50 N
LONG 112 30 29 W
REGULATED

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	1.73 ON JUN 30	---	---	1978
1979	---	15.1 B ON MAR 25 15.5 B ON MAR 08 *	0 B ON MAR 01 * 0 B ON MAR 01	28 600 21 200	1979
1980	2.67 AT 06:30 MST ON MAY 26	2.19 ON MAY 26	0 B ON MAR 01	13 200	1980
1981	4.04 AT 15:00 MST ON JUN 14	1.70 ON JUN 14	0.048 ON MAY 03	12 200	1981
1982	8.04 AT 19:50 MST ON APR 14	7.25 ON APR 14	0 B ON MAR 01	16 400	1982
1983	4.02 AT 20:50 MST ON AUG 10	3.20 ON AUG 10	0.050 ON MAR 31	13 600	1983
1984	3.98 AT 19:10 MST ON JUL 30	3.82 ON JUL 31	0.023B ON MAR 08	15 000	1984
1985	8.45 AT 24:00 MST ON SEP 12	7.44 ON SEP 13	0.010B ON MAR 06	18 700	1985
1986	4.05 AT 03:55 MST ON JUN 30	3.90 ON JUN 30	0.031 ON APR 29	18 900	1986
1987	5.22 AT 16:00 MST ON JUL 19	5.02 ON JUL 19	0.035 ON SEP 05	17 600	1987
1988	4.53 AT 06:40 MST ON JUN 09	4.14 ON JUN 09	0.018B ON MAR 05	21 700	1988
1989	12.8 AT 20:00 MST ON JUN 11 *	11.7 ON JUN 11	0 B ON MAR 01	19 700	1989
1990	5.76 AT 09:20 MST ON JUL 20	4.08 ON JUL 20	0.044 ON APR 25	18 800	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 100	MEAN

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.109	0.112	0.071	0.083	---	---	---	1972
1973	---	---	0.010	0.165	0.178	0.494	0.215	0.259	0.192	0.115	---	---	0.203	1973
1974	---	---	0.025	3.96	3.52	1.27	0.412	0.211	0.162	0.101	---	---	1.20	1974
1975	---	---	0.031	0.616	1.20	0.408	0.633	0.174	0.103	0.048	---	---	0.402	1975
1976	---	---	0.062	0.604	0.143	0.174	0.155	0.037	0.013	0.017	---	---	0.149	1976
MEAN	---	---	0.032	1.34	1.26	0.587	0.305	0.159	0.108	0.073	---	---	0.489	MEAN

LOCATION - LAT 54 01 28 N, LONG 111 41 54 W. DRAINAGE AREA, 543 km^2. NATURAL FLOW

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	1.43 ON JUN 18 14.9 ON APR 23 *	0.008B ON MAR 01 0.023B ON MAR 21	4 290 25 400	1974
1975	---	2.24 ON MAY 01	0.025B ON MAR 01	8 510	1975
1976	---	1.10 ON APR 11	0.001 ON OCT 07 *	3 160	1976
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 300	MEAN

STONY CREEK NEAR TAMATINAW - STATION NO. 07BE004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.009	1.03	0.170	0.048	0.191	0.131	0.026	0.004	---	---	0.199	1982
1983	---	---	0.035	0.238	0.084	0.186	0.266	0.048	0.010	0.130	---	---	0.124	1983
1984	---	---	0.071	0.080	0.054	0.298	0.026	0.002	0.030	0.065	---	---	0.077	1984
1985	---	---	0.035	0.791	0.239	0.114	0.033	0.049	0.028	0.036	---	---	0.164	1985
1986	---	---	0.212	0.264	0.192	0.096	1.36	0.244	0.023	0.053	---	---	0.308	1986
1987	---	---	0.035	0.338	0.114	0.074	0.014	0.029	0.045	0.022	---	---	0.083	1987
1988	---	---	0.029	0.041	0.020	0.195	0.350	0.128	0.008	0.024	---	---	0.100	1988
1989	---	---	0.001	0.216	0.209	0.275	0.604	0.140	0.165	0.072	---	---	0.210	1989
1990	---	---	0.104	0.387	0.161	0.074	0.608	0.004	0.010	0.038	---	---	0.173	1990
MEAN	---	---	0.059	0.376	0.138	0.151	0.384	0.086	0.038	0.049	---	---	0.160	MEAN

LOCATION - LAT 54 17 35 N, LONG 113 27 45 W. DRAINAGE AREA, 128 km^2. NATURAL FLOW

STONY CREEK NEAR TAMATINAW - STATION NO. 07BE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	3.13B AT 20:52 MST ON APR 21	3.03 B ON APR 22	0.001B ON MAR 01	4 220	1982
1983	1.21 AT 06:51 MST ON MAY 29	0.930B ON APR 08	0.001E ON AUG 25	2 630	1983
1984	1.86 AT 14:49 MST ON JUN 08	1.17 ON JUN 08	0 ON AUG 09 *	1 640	1984
1985	2.73 AT 04:03 MST ON APR 26	1.69 B ON APR 02	0.001 ON AUG 07	3 470	1985
1986	7.73 AT 02:34 MST ON JUL 19 *	6.70 ON JUL 19 *	0.005 ON SEP 25	6 520	1986
1987	2.30B AT 11:09 MST ON APR 10	0.995B ON APR 10	0.001 ON JUL 28	1 760	1987
1988	---	3.36 ON JUL 06	0 B ON MAR 01	2 110	1988
1989	5.42 AT 08:50 MST ON JUL 12	2.07 ON JUN 12	0.001B ON MAR 01	4 450	1989
1990	4.86 AT 19:20 MST ON JUN 30	2.59 ON JUL 01	0.002 ON AUG 28	3 670	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 390	MEAN

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.058	0.223	---	---	---	1966
1967	---	---	0.022	4.76	0.783	0.732	0.053	0.074	0.003	0.003	---	---	0.791	1967
1968	---	---	3.80	0.135	0.049	0.014	0.010	0.039	0.045	0.045	---	---	0.523	1968
1969	---	---	0.009	7.39	0.505	0.064	0.057	0.052	0.083	0.072	---	---	1.01	1969
1970	---	---	0	4.90	0.232	0.141	0.055	0.038	0.031	0.039	---	---	0.667	1970
1971	---	---	0.008	11.6	0.309	0.623	1.73	0.083	0.005	0.020	---	---	1.77	1971
1972	---	---	1.49	6.88	0.699	0.263	0.102	0.053	0.030	0.046	---	---	1.18	1972
1973	---	---	0.690	5.09	1.05	2.52	5.11	0.195	0.071	0.135	---	---	1.85	1973
1974	---	---	0.073	24.5	2.84	0.748	4.31	0.182	0.067	0.075	---	---	4.05	1974
1975	---	---	0.001	3.21	1.03	0.127	0.081	0.031	0.022	0.009	---	---	0.557	1975
1976	---	---	0.070	2.30	0.072	0.024	0.017	0.372	0.036	0.017	---	---	0.357	1976
1977	---	---	0.204	1.11	6.21	0.482	0.057	0.032	0.039	0.065	---	---	1.03	1977
1978	---	---	1.87	1.28	0.793	0.797	1.76	0.139	2.65	0.338	---	---	1.20	1978
1979	---	---	2.54	4.64	2.03	0.351	0.122	0.094	0.042	0.050	---	---	1.23	1979
1980	---	---	0.026	5.57	0.112	8.57	1.18	0.429	1.27	0.727	---	---	2.20	1980
1981	---	---	3.27	1.26	1.49	1.18	1.28	0.386	0.030	0.057	---	---	1.12	1981
1982	---	---	0	13.0	0.953	0.067	9.90	0.174	0.101	0.299	---	---	3.05	1982
1983	---	---	1.19	3.64	0.462	0.606	2.48	0.163	0.031	0.050	---	---	1.07	1983
1984	---	---	1.10	0.544	0.729	1.30	0.022	0.003	0.567	0.458	---	---	0.588	1984
1985	---	---	7.49	10.9	0.662	0.158	0.053	0.073	0.057	0.102	---	---	2.42	1985
1986	---	---	3.95	1.12	2.85	0.101	11.8	0.503	0.379	0.255	---	---	2.64	1986
1987	---	---	0.551	2.56	0.675	0.318	0.178	0.512	0.147	0.075	---	---	0.622	1987
1988	---	---	0.122	0.333	0.072	0.061	3.32	0.851	---	---	---	---	---	1988
1989	---	---	0.019	6.36	2.23	0.560	3.06	1.17	0.311	0.484	---	---	1.77	1989
1990	---	---	3.19	4.00	1.84	2.38	14.9	0.167	0.094	0.112	---	---	3.35	1990
MEAN	---	---	1.32	5.30	1.19	0.924	2.57	0.242	0.257	0.156	---	---	1.52	MEAN

LOCATION - LAT 53 18 41 N DRAINAGE AREA, 584 km²
LONG 114 03 02 W NATURAL FLOW

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	13.6 B ON APR 15	0.003 ON AUG 29	16 800	1967
1968	---	8.13B ON MAR 06	0.003 ON JUL 12	11 100	1968
1969	---	60.9 B ON APR 09	0 B ON MAR 01 *	21 400	1969
1970	---	30.6 B ON APR 06	0 B ON MAR 01	14 100	1970
1971	67.4B AT 23:00 MST ON APR 15	32.4 B ON APR 15	0 ON SEP 21	37 500	1971
1972	59.7 AT 22:30 MST ON APR 06	36.5 ON APR 07	0 B ON MAR 01	25 000	1972
1973	---	59.5 A ON JUL 02	0.014 ON MAY 19	39 100	1973
1974	122 AT 22:10 MST ON APR 19	102 ON APR 19	0.051 ON SEP 25	85 700	1974
1975	---	17.2 B ON APR 19	0 B ON MAR 01	11 800	1975
1976	---	18.3 B ON APR 07	0.002 ON JUL 06	7 550	1976
1977	74.8 AT 12:50 MST ON MAY 29	63.7 ON MAY 29	0.017 ON AUG 28	21 800	1977
1978	37.7 AT 03:00 MST ON JUL 12	25.4 ON JUL 12	0.071B ON MAR 01	25 400	1978
1979	27.6 AT 00:30 MST ON APR 19	18.6 ON APR 19	0 B ON MAR 01	26 000	1979
1980	72.1 AT 01:45 MST ON JUN 28	57.2 ON JUN 28	0 B ON MAR 01	46 600	1980
1981	18.7 AT 21:00 MST ON MAR 14	12.7 B ON MAR 14	0.009 ON AUG 17	23 800	1981
1982	126 AT 10:50 MST ON JUL 05	116 ON JUL 05	0 B ON MAR 01	64 600	1982
1983	21.6 AT 01:45 MST ON JUL 03	15.6 ON JUL 03	0.020 ON OCT 01	22 700	1983
1984	---	6.88 ON JUN 09	0.003 ON AUG 16	12 500	1984
1985	78.9 AT 05:20 MST ON APR 02	68.9 ON APR 02 *	0.015E ON SEP 08	51 300	1985
1986	230 AT 12:21 MST ON JUL 18	185 ON JUL 18 *	0.025 ON OCT 11	55 900	1986
1987	---	10.4 B ON APR 01	0.061B ON MAR 02	13 200	1987
1988	59.5 AT 02:27 MST ON JUL 07	---	---	---	1988
1989	31.6 AT 07:14 MST ON JUL 11	27.4 ON JUL 11	0 B ON MAR 01	37 400	1989
1990	309 AT 01:03 MST ON JUL 04 *	179 ON JUL 04	0.065 ON SEP 25	70 900	1990
				32 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	---	0.750	---	0.028	---	1947
1948	0.020	0.017	0.014	0.202	1.59	2.17	0.650	0.242	0.038	0.022	0.014	0.014	0.417	1948
1949	0.014	0.014	0.015	0.456	1.58	1.02	0.268	0.074	0.172	0.111	0.199	0.118	0.338	1949
1950	0.028	0.017	0.046	0.091	1.09	3.29	1.31	0.264	0.069	0.349	0.241	0.114	0.576	1950
1951	0.042	0.059	0.037	0.164	1.67	1.68	1.58	0.326	0.598	0.495	0.114	0.094	0.575	1951
1952	0.041	0.019	0.011	0.531	1.31	0.993	0.425	0.234	0.073	0.031	0.013	---	---	1952
1953	---	---	---	---	1.40	2.71	1.22	0.214	0.104	0.034	0.090	---	---	1953
1954	---	---	---	---	1.66	1.75	1.23	0.352	0.232	0.415	0.205	---	---	1954
1955	---	---	---	---	0.699	2.21	0.958	0.155	0.057	0.431	---	---	---	1955
MEAN	0.029	0.025	0.025	0.289	1.37	1.98	0.955	0.235	0.168	0.293	0.125	0.074	0.477	MEAN

LOCATION - LAT 48 59 20 N DRAINAGE AREA, 14 km² INTERNATIONAL GAUGING STATION
LONG 113 52 40 W NATURAL FLOW

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	3.54 ON MAY 23	0.011 ON NOV 05	13 200	1948
1949	2.66 AT 20:30 MST ON MAY 27	2.38 ON MAY 27	0.014 ON JAN 01	10 600	1949
1950	8.78E ON JUN 21	7.08E ON JUN 21 *	0.014E ON JAN 21	18 200	1950
1951	3.20 AT 20:30 MST ON JUL 01	3.06 ON JUN 26	0.028E ON JAN 21	18 100	1951
1952	---	2.27E ON MAY 20	0.006E ON NOV 25 *	---	1952
1953	12.4 AT 23:00 MST ON JUN 03 *	6.03 ON JUN 04	---	---	1953
1954	5.30E ON MAY 19	4.53E ON MAY 20	---	---	1954
1955	5.10E ON JUN 24	3.96E ON JUN 24	---	---	1955
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 000	MEAN

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.025	0.010	0.004	0.003	0.003	0.001	---	1966
1967	0.001	0.002	0.007	0.008	0.113	0.161	0.027	0.006	0.002	0.002	0.002	0.001	0.041	1967
1968	0.003	0.001	0.002	0.003	0.004	0.010	0.010	0.007	0.009	0.028	0.021	0.011	0.009	1968
1969	0.006	0.004	0.004	0.074	0.076	0.093	0.137	0.014	0.005	0.004	0.003	0.001	0.051	1969
1970	0	0	0	0.006	0.018	0.041	0.021	0.005	0.003	0.002	0.001	0	0.012	1970
1971	0	0	0.001	0.006	0.007	0.019	0.010	0.002	0.002	0.001	---	---	0.006	1971
1972	0	0	0.004	0.009	0.061	0.053	0.011	0.005	0.004	0.004	0.004	0.004	0.019	1972
1973	---	---	0.002	0.006	0.059	0.053	0.011	0.004	0.002	0.002	---	---	0.017	1973
1974	---	---	0.002	0.005	0.086	0.064	0.014	0.005	0.002	0.003	---	---	0.023	1974
1975	---	---	---	0.007	0.088	0.112	0.043	0.011	0.005	0.004	---	---	---	1975
1976	---	---	---	0.006	0.017	0.015	0.006	0.023	0.013	0.006	---	---	---	1976
1977	---	---	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	---	---	0.002	1977
1978	---	---	0.001	0.003	0.074	0.098	0.014	0.008	0.004	0.004	---	---	0.025	1978
1979	---	---	---	0.005	0.059	0.025	0.008	0.004	0.002	0.001	---	---	---	1979
1980	---	---	0.003	0.010	0.002	0.003	0.003	0.002	0.002	0.001	---	---	0.003	1980
1981	---	---	0.001	0.001	0.095	0.072	0.024	0.013	0.006	0.004	---	---	0.027	1981
1982	---	---	0.016	0.029	0.003	0.013	0.024	0.006	0.003	0.002	---	---	0.012	1982
1983	---	---	0.003	0.005	0.008	0.013	0.007	0.002	0.001	0.001	---	---	0.005	1983
1984	---	---	0.002	0.004	0.002	0.002	0	0	0	0	---	---	0.001	1984
1985	---	---	0.001	0.002	0	0	0	0	0.002	0.003	---	---	0.001	1985
1986	---	---	0.003	0.004	0.028	0.021	---	---	---	---	---	---	---	1986
MEAN	0.002	0.001	0.003	0.010	0.040	0.044	0.020	0.006	0.004	0.004	0.006	0.003	0.016	MEAN

LOCATION - LAT 50 07 24 N DRAINAGE AREA, 5.96 km^2
LONG 114 03 20 W NATURAL FLOW

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	0.311 AT 05:00 MST ON JUN 03	0.292 ON MAY 23	0.001 ON MAR 04	861	1967
1968	0.059 AT 02:00 MST ON JAN 21	0.031 ON OCT 07	0.001 ON MAR 13	195	1968
1969	0.450 AT 20:30 MST ON JUN 30 *	0.402 ON JUN 30 *	0.003 ON MAR 24	1 080	1969
1970	---	0.065 ON JUN 30	0 B ON MAR 01 *	252	1970
1971	0.040 AT 05:00 MST ON JUN 06	0.027 ON JUN 06	0 B ON MAR 01	125	1971
1972	0.153 AT 06:30 MST ON AUG 23	0.136 ON MAY 30	0 B ON MAR 01	398	1972
1973	0.119 AT 02:50 MST ON JUN 02	0.110 ON MAY 30	0.001B ON MAR 01	363	1973
1974	0.263 AT 21:20 MST ON MAY 22	0.258 ON MAY 24	0 B ON MAR 01	481	1974
1975	0.232 AT 13:30 MST ON JUN 22	0.215 ON JUN 23	0 B ON APR 01	---	1975
1976	0.255 AT 19:00 MST ON AUG 05	0.057 ON AUG 05	---	---	1976
1977	0.040 AT 17:30 MST ON JUL 07	0.013 ON APR 04	0 ON JUL 24	41.0	1977
1978	0.377 AT 10:30 MST ON JUN 01	0.303 ON JUN 01	0 B ON MAR 01	539	1978
1979	0.208 AT 10:30 MST ON MAY 15	0.106 ON MAY 16	---	---	1979
1980	0.109B AT 14:30 MST ON APR 06	0.034 ON APR 14	0 B ON MAR 10	68.5	1980
1981	0.372 AT 22:00 MST ON MAY 24	0.296 ON MAY 20	0 ON APR 18	569	1981
1982	0.193 AT 14:26 MST ON APR 10	0.153 ON APR 10	0 B ON MAR 01	254	1982
1983	0.180 AT 01:10 MST ON MAY 08	0.020 ON JUN 03	0.001B ON MAR 01	103	1983
1984	0.009 AT 03:11 MST ON MAY 16	0.005B ON APR 02	0 B ON MAR 01	23.5	1984
1985	0.037 AT 09:21 MST ON SEP 12	0.011 ON SEP 12	0 B ON MAR 01	20.2	1985
1986	0.209 AT 18:12 MST ON MAY 29	---	---	---	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		336	MEAN

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	0	0	---	---	---	1978
1979	---	---	0.009	0.491	0.010	0.004	0.080	0.190	0	0	---	---	0.097	1979
1980	---	---	0.001	0.346	0	0	0	0	0	0	---	---	0.042	1980
1981	---	---	0.493	0.092	0	0	0.062	0.010	0	0	---	---	0.083	1981
1982	---	---	0	0.151	0.007	0	0.012	0	0	0	---	---	0.021	1982
1983	---	---	0	0.182	0.003	0.001	0.001	0	0	0	---	---	0.023	1983
1984	---	---	0.450	0.462	0.003	0.008	0.001	0	0	0	---	---	0.115	1984
1985	---	---	0.293	0.269	0.008	0.003	0	0	0	0	---	---	0.071	1985
1987	---	---	0	0.513	0.046	0	0	0	0.058	0.001	---	---	0.076	1987
1988	---	---	0.006	0.041	0.043	0.027	0.073	0.034	0.001	0	---	---	0.028	1988
1989	---	---	0	0.097	0.006	0.001	0.031	0.011	0.002	0.002	---	---	0.018	1989
1990	---	---	0.274	0.466	0.020	0	0	0	0	0	---	---	0.094	1990
MEAN	---	---	0.139	0.283	0.013	0.004	0.024	0.022	0.005	0	---	---	0.061	MEAN

LOCATION - LAT 53 26 30 N DRAINAGE AREA, 82.1 km²
LONG 110 19 30 W NATURAL FLOW

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.70 AT 07:55 MST ON AUG 06	2.70 ON APR 19	0B ON MAR 01 *	2 060	1979
1980	1.78 AT 12:30 MST ON APR 06	1.18 R ON APR 06	0B ON MAR 01	898	1980
1981	2.94 AT 09:50 MST ON MAR 18	2.36 B ON MAR 28	0B ON MAR 01	1 750	1981
1982	---	0.696B ON APR 22	0B ON MAR 01	444	1982
1983	---	0.917B ON APR 04	0B ON MAR 01	484	1983
1984	---	4.40 B ON MAR 30 *	0B ON MAR 01	2 430	1984
1985	---	1.32 B ON MAR 21	0B ON MAR 01	1 510	1985
1987	2.81B AT 16:00 MST ON APR 07	2.14 B ON APR 07	0B ON MAR 01	1 610	1987
1988	4.00 AT 02:53 MST ON MAY 31 *	1.50 ON JUL 06	0B ON MAR 01	594	1988
1989	1.03B AT 07:55 MST ON APR 04	0.881B ON APR 03	0B ON MAR 01	390	1989
1990	---	3.86 B ON APR 01	0B ON MAR 01	2 000	1990
				1 290	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	8.60	3.22	4.94	---	---	3.44	2.90	1.51	---	1913
1914	0.671	0.618	1.04	4.71	3.88	27.1	21.7	4.67	2.86	3.77	2.98	1.91	8.69	1914
1915	1.75	1.64	4.40	10.4	3.70	18.5	16.8	4.72	3.04	3.68	---	---	8.13	1915
1916	---	---	---	---	5.08	2.72	2.25	2.26	2.77	3.10	---	---	---	1916
1917	---	---	---	---	13.5	9.09	5.82	3.17	2.38	2.55	---	---	---	1917
1918	---	---	---	---	5.02	4.95	2.18	0.965	0.752	0.797	---	---	---	1918
1919	---	---	---	4.63	3.74	2.13	0.609	0.329	0.084	0.054	---	---	---	1919
1920	---	---	---	---	---	---	---	1.73	1.47	1.28	---	---	---	1920
1921	---	---	---	7.22	4.00	1.64	0.963	0.001	0	0	---	---	---	1921
1922	---	---	---	0.673	2.37	0.718	0.080	0.123	0.043	0.045	---	---	---	1922
1923	---	---	0	1.30	1.39	---	---	---	---	---	---	---	---	1923
1924	---	---	---	1.52	1.21	---	---	---	---	---	---	---	---	1924
1925	---	---	---	19.6	13.7	---	---	---	---	---	---	---	---	1925
1926	---	---	2.05	3.85	3.39	---	---	---	---	---	---	---	---	1926
1927	---	---	1.28	16.1	25.5	16.8	12.5	9.11	8.20	6.64	---	---	12.0	1927
1976	---	---	0.560	9.21	2.69	0.861	0.491	1.04	0.935	0.609	---	---	2.03	1976
1977	---	---	0.653	6.00	5.25	5.76	2.17	1.12	1.68	3.37	---	---	3.24	1977
1978	---	---	1.35	9.73	3.61	1.44	0.916	0.882	1.86	3.19	---	---	2.86	1978
1979	---	---	3.87	15.0	11.8	5.14	3.00	2.11	1.78	1.71	---	---	5.53	1979
1980	---	---	0.254	8.54	4.02	1.90	1.96	2.08	3.14	3.56	---	---	3.17	1980
1981	---	---	4.65	17.0	5.09	1.38	0.929	0.804	0.601	0.833	---	---	3.89	1981
1982	---	---	0.078	7.27	21.4	5.35	5.73	4.68	4.89	4.10	---	---	6.70	1982
1983	---	---	1.12	5.30	2.76	2.34	8.76	2.37	0.778	0.675	---	---	3.02	1983
1984	---	---	0.667	3.35	1.08	0.954	0.276	0.087	0.289	0.450	---	---	0.885	1984
1985	---	---	1.32	20.1	11.1	4.77	3.26	1.50	1.38	1.58	---	---	5.58	1985
1986	---	---	5.71	15.4	6.51	1.49	2.39	5.30	5.22	6.79	---	---	6.09	1986
MEAN	1.21	1.13	1.81	8.90	6.82	5.63	4.65	2.34	2.10	2.37	2.94	1.71	5.13	MEAN

LOCATION - LAT 53 38 05 N DRAINAGE AREA, 2 650 km²
LONG 113 37 33 W NATURAL FLOW

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	42.2 ON JUN 16 *	0.793B ON MAR 01	184 000	1914
1915	---	27.2 ON JUN 18	1.61 B ON MAR 01	172 000	1915
1916	---	15.5 ON APR 16	---	---	1916
1917	---	22.0 ON APR 22	---	---	1917
1918	---	12.3 ON APR 12	---	---	1918
1919	---	8.21B ON APR 14	---	---	1919
1920	---	---	---	---	1920
1921	---	14.7 B ON APR 13	0 ON JUL 26 *	---	1921
1922	---	3.45 ON MAY 04	0 ON JUL 14	---	1922
1923	---	3.11B ON APR 30	0 B ON MAR 01	---	1923
1924	---	4.05B ON APR 23	0 B ON APR 01	---	1924
1925	---	37.4 ON APR 24	0 B ON APR 01	---	1925
1926	---	---	---	---	1926
1927	---	30.9 ON MAY 13	0.912B ON MAR 01	254 000	1927
1976	---	13.3 A ON APR 12	0.187 ON JUL 26	43 000	1976
1977	---	9.49 ON APR 13	0.464B ON MAR 04	68 500	1977
1978	13.2 AT 14:00 MST ON APR 11	11.1 ON APR 11	0.547 ON AUG 14	60 500	1978
1979	18.0 AT 12:35 MST ON APR 28	17.9 ON APR 26	1.37 B ON MAR 01	117 000	1979
1980	14.8 AT 16:00 MST ON APR 15	14.7 ON APR 16	0.162B ON MAR 06	67 000	1980
1981	23.4 AT 17:20 MST ON APR 04	23.3 ON APR 04	0.381 ON JUL 06	82 300	1981
1982	33.6 AT 11:15 MST ON APR 29 *	32.9 ON MAY 01	0.028B ON APR 01	142 000	1982
1983	12.4 AT 21:50 MST ON JUL 06	11.9 ON JUL 03	0.400 ON OCT 21	63 800	1983
1984	---	5.29B ON APR 04	0.056 ON AUG 28	18 700	1984
1985	24.4 AT 15:10 MST ON APR 13	24.1 ON APR 13	0.400B ON MAR 01	118 000	1985
1986	22.4 AT 19:16 MST ON APR 02	22.2 ON APR 03	0.666 ON JUL 01	129 000	1986
				109 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.302	3.36	2.93	1.44	1.47	1.21	---	---	---	1914
1915	---	---	---	0.770	0.630	4.39	2.45	1.43	1.26	1.09	---	---	1.71	1915
1928	---	---	---	---	2.49	1.25	0.837	0.296	0.217	0.204	---	---	---	1928
1929	---	---	---	0.408	0.471	0.151	0.034	0.002	0.003	0	---	---	0.152	1929
1930	---	---	---	0.155	0.207	0.303	0.238	0.023	0.022	0.030	---	---	0.140	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.444	0.820	1.89	1.30	0.638	0.594	0.507	---	---	0.667	MEAN

LOCATION - LAT 53 39 45 N LONG 114 37 03 W DRAINAGE AREA, 322 km^2 NATURAL FLOW

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	8.41 ON JUN 08 *	---	---	1914
1915	---	7.84 ON JUN 11	0.566 ON MAY 20	31 600	1915
1928	---	2.97 ON MAY 04	---	---	1928
1929	---	0.583 ON MAY 25	0 E ON AUG 10 *	2 820	1929
1930	---	0.566 ON JUN 30	0 ON AUG 24	2 580	1930
1931	---	---	0 B ON APR 01	---	1931
				12 300	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.778	0.690	1.08	5.09	3.72	31.2	25.9	5.97	3.32	3.95	3.42	1.94	9.99	1914
1915	1.64	1.64	2.54	15.0	4.43	19.7	18.8	6.13	3.30	3.91	4.25	2.48	9.19	1915
1916	1.67	1.54	2.06	10.4	4.94	2.45	2.34	2.25	2.75	3.30	2.17	0.841	3.79	1916
1917	0.617	0.759	0.544	14.1	16.8	10.4	5.12	3.45	3.56	3.31	2.51	1.47	7.13	1917
1918	0.831	0.814	0.660	8.33	5.32	4.50	2.73	1.73	1.09	1.33	1.42	0.512	3.20	1918
1919	0.172	0.192	0.207	5.12	4.05	2.37	0.810	0.408	0.357	0.637	0.948	0.529	1.73	1919
1920	0.511	0.231	0.334	4.98	26.0	17.8	6.82	1.87	1.42	1.75	1.10	0.804	7.63	1920
1921	0.573	0.658	0.557	7.50	4.02	1.90	1.17	0.787	0.539	0.511	0.263	0.147	2.11	1921
1922	0.137	0.115	0.254	0.992	2.63	0.917	0.337	0.466	0.492	0.367	0.163	0.024	0.807	1922
1923	0.001	0	0.113	1.42	1.91	---	---	---	---	---	---	---	---	1923
1927	---	---	---	---	---	---	---	---	---	---	---	2.13	---	1927
1928	0.985	0.941	---	---	10.9	5.21	3.11	2.14	2.02	2.90	1.37	0.816	---	1928
1929	0.753	0.646	0.856	2.77	4.51	1.22	0.635	0.348	0.278	0.319	0.441	0.336	1.37	1929
1930	0.252	0.288	0.384	2.55	1.21	0.413	0.232	0.160	0.186	0.257	0.226	0.145	0.670	1930
1931	0.011	0.056	0.062	1.26	1.52	---	---	---	---	---	---	---	---	1931
1935	---	---	---	8.59	26.3	9.46	4.56	3.44	3.09	4.96	---	---	---	1935
1936	---	---	0.665	29.7	47.7	21.4	6.58	1.62	1.22	1.34	---	---	13.7	1936
1937	---	---	0.689	7.03	2.75	0.754	0.607	0.628	0.684	0.805	---	---	1.73	1937
1938	---	---	0.979	8.70	3.53	0.505	0.123	0.181	0.131	0.161	---	---	1.77	1938
1939	---	---	0.254	3.04	1.93	0.731	0.174	0.050	0.038	0.081	---	---	0.781	1939
1940	---	---	0.013	17.7	19.3	1.67	0.365	0.373	0.334	0.330	---	---	5.00	1940
1941	---	---	0.364	3.54	0.928	0.331	0.175	0.143	0.140	0.172	---	---	0.717	1941
1942	---	---	0.094	1.13	0.586	0.595	0.670	0.670	0.706	0.644	---	---	0.634	1942
1943	---	---	0.113	30.1	15.8	3.70	2.93	2.04	1.95	1.81	---	---	7.25	1943
1944	---	---	1.41	9.86	3.49	18.8	23.1	8.68	5.11	4.76	---	---	9.38	1944
1945	---	---	2.03	4.54	2.78	1.52	0.532	0.253	0.262	0.395	---	---	1.53	1945
1946	---	---	0.395	7.75	1.88	0.316	0.318	0.192	0.264	0.362	---	---	1.42	1946
1947	---	---	1.03	6.46	2.19	0.207	0.179	0.191	0.291	0.678	---	---	1.39	1947
1948	---	---	0.113	11.7	60.5	17.4	4.25	1.19	0.852	1.31	---	---	12.2	1948
1949	---	---	0.368	5.66	2.04	0.303	0.076	0.115	0.178	0.214	---	---	1.11	1949
1950	---	---	0.224	1.86	2.70	0.480	0.171	0.201	0.093	0.106	---	---	0.727	1950
1951	---	---	0.080	4.55	6.75	1.10	0.433	0.281	0.282	0.336	---	---	1.70	1951
1952	---	---	---	21.5	5.71	1.51	1.64	1.42	1.25	1.21	---	---	---	1952
1953	---	---	0.391	1.64	17.9	5.36	2.18	24.7	12.3	3.93	---	---	8.05	1953
1954	---	---	1.82	2.06	7.93	21.6	13.0	8.73	12.7	8.12	---	---	9.46	1954
1955	---	---	2.05	8.31	12.8	4.68	2.68	1.96	1.49	1.74	---	---	4.46	1955
1956	---	---	0.005	20.5	24.6	6.52	2.59	1.54	5.00	2.93	---	---	7.43	1956
1957	---	---	1.72	7.02	4.40	0.818	0.532	0.356	0.322	0.661	---	---	1.97	1957
1958	---	---	0.726	19.8	5.26	0.944	0.359	0.152	0.230	0.425	---	---	3.45	1958
1959	---	---	1.25	4.21	1.25	0.187	0.207	0.311	0.334	0.705	---	---	1.05	1959
1960	---	---	0.949	7.65	2.23	0.953	1.03	1.16	1.57	1.78	---	---	2.15	1960
1961	---	---	2.38	10.6	2.28	0.314	0.246	0.198	0.351	0.327	---	---	2.06	1961
1962	---	---	0.535	12.7	10.3	2.41	0.670	0.993	1.16	0.203	---	---	3.60	1962
1963	---	---	1.14	12.8	10.9	4.97	0.954	0.701	0.770	0.603	---	---	4.08	1963
1964	---	---	0.110	3.20	2.38	0.618	0.074	0.047	0.053	0.210	---	---	0.831	1964
1965	---	---	0.086	13.5	19.6	8.44	29.4	13.5	7.83	5.63	---	---	12.3	1965
1966	---	---	1.46	19.3	7.95	2.67	0.872	0.711	1.15	1.30	---	---	4.39	1966
1967	---	---	0	4.10	13.1	1.87	0.479	0.332	0.279	0.278	---	---	2.56	1967
1968	---	---	4.05	2.81	0.594	0.056	0.058	0.310	0.116	0.056	---	---	1.01	1968
1969	---	---	0	9.40	4.24	0.608	0.138	0.213	0.476	0.903	---	---	1.98	1969
1970	---	---	0.149	17.7	7.80	0.777	0.245	0.619	0.540	0.880	---	---	3.55	1970
1971	---	---	0.014	17.7	21.1	3.63	10.0	12.5	5.47	3.26	---	---	9.22	1971
1972	---	---	0.451	26.3	21.1	7.27	3.32	1.87	1.42	1.10	---	---	7.80	1972
1973	---	---	0.733	7.98	3.51	1.43	1.45	0.928	0.885	1.03	---	---	2.23	1973
1974	---	---	0.416	39.1	54.1	18.5	32.0	18.3	8.04	4.25	---	---	21.9	1974
1975	---	---	0.664	7.10	11.3	3.11	3.94	2.49	3.02	1.95	---	---	4.19	1975
1976	---	---	0.250	9.30	3.07	0.831	0.417	0.830	0.870	0.538	---	---	1.99	1976
1977	---	---	0.064	8.39	4.07	4.61	2.27	1.24	1.56	2.68	---	---	3.19	1977
1978	---	---	2.27	10.1	4.30	1.52	0.988	1.20	2.72	2.57	---	---	3.19	1978
1979	---	---	4.17	18.0	14.3	6.10	3.41	2.16	1.76	1.86	---	---	6.45	1979
1980	---	---	0.330	9.75	4.89	2.44	1.80	2.23	2.96	3.62	---	---	3.48	1980
1981	---	---	7.08	20.4	6.23	1.52	1.06	0.979	0.561	0.811	---	---	4.79	1981
1982	---	---	0.170	11.4	23.9	5.49	5.25	5.03	4.22	4.51	---	---	7.50	1982
1983	---	---	1.09	6.15	3.08	3.66	11.0	2.88	0.766	0.713	---	---	3.66	1983
1984	---	---	1.02	4.08	1.19	1.61	0.313	0.124	0.227	0.596	---	---	1.13	1984
1985	---	---	2.63	24.1	12.1	3.02	0.960	1.23	1.61	1.27	---	---	5.82	1985
1986	---	---	7.38	17.9	7.45	1.80	2.72	4.79	4.54	6.01	---	---	6.55	1986
1987	---	---	1.19	12.2	5.29	1.57	0.346	0.938	1.75	1.26	---	---	3.05	1987
1988	---	---	0.250	1.87	0.406	0.521	7.81	4.43	1.21	0.687	---	---	2.16	1988
1989	---	---	0.033	5.43	4.03	2.87	1.98	2.86	5.69	7.80	---	---	3.83	1989
1990	---	---	4.30	7.61	6.47	1.64	2.73	3.13	3.58	3.46	---	---	4.11	1990
MEAN	0.638	0.612	1.08	10.2	9.43	4.64	3.89	2.56	1.95	1.79	1.52	0.936	4.45	MEAN

LOCATION - LAT 53 47 14 N DRAINAGE AREA, 3 350 km²
LONG 113 13 23 W NATURAL FLOW

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	51.8 ON JUN 22	0.906B ON MAR 09	212 000	1914
1915	---	30.6 ON JUN 23	1.56 B ON MAR 03	195 000	1915
1916	---	17.0 B ON APR 18	1.56 ON JUN 22	80 200	1916
1917	---	31.4 ON APR 24	0.379B ON MAR 14	151 000	1917
1918	---	16.4 B ON APR 14	0.538B ON MAR 05	67 600	1918
1919	---	10.8 B ON APR 15	0.144B ON MAR 01	36 700	1919
1920	---	28.9 ON MAY 14	0.142B ON MAR 01	161 000	1920
1921	---	17.0 B ON APR 13	0.436 ON OCT 19	44 600	1921
1922	---	3.82B ON APR 29	0.142B ON MAR 01	17 100	1922
1923	---	3.20B ON MAY 04	0 B ON MAR 01 *	---	1923
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	8.69 ON APR 27	0.212 ON SEP 19	28 900	1929
1930	---	4.36 ON APR 15	0.096B ON OCT 19	14 200	1930
1931	---	---	0 B ON MAR 12	---	1931
1935	---	32.8 ON MAY 04	---	---	1935
1936	---	58.0 ON APR 25	0.113B ON MAR 04	291 000	1936
1937	---	9.23B ON APR 17	0 B ON MAR 12	36 600	1937
1938	---	20.3 ON APR 16	0.051 ON AUG 01	37 500	1938
1939	---	5.24 ON APR 22	0.020 ON SEP 08	16 500	1939
1940	---	47.3 ON APR 21	0 B ON MAR 08	106 000	1940
1941	---	12.8 B ON APR 11	0.028B ON MAR 01	15 200	1941
1942	---	3.99B ON APR 22	0.028B ON MAR 08	13 400	1942
1943	---	54.4 ON APR 15	0.028B ON MAR 01	153 000	1943
1944	---	38.5 ON JUN 28	0.311B ON MAR 01	199 000	1944
1945	---	5.47B ON APR 09	0.122 ON AUG 16	32 400	1945
1946	---	13.7 ON APR 12	0.102 ON AUG 03	30 000	1946
1947	---	10.5 ON APR 16	0.093 ON JUL 09	29 500	1947
1948	---	89.8 ON MAY 07	0.113B ON MAR 01	258 000	1948
1949	---	13.6 ON APR 13	0.034 ON JUL 15	23 400	1949
1950	---	6.74 ON APR 24	0 ON SEP 10	15 400	1950
1951	---	11.4 ON MAY 03	0 B ON MAR 03	35 900	1951
1952	---	29.4 ON APR 15	---	---	1952
1953	---	53.4 ON AUG 14	0.227B ON MAR 11	170 000	1953
1954	31.1 AT 04:00 MST ON JUN 19	28.9 ON JUN 19	0.623B ON APR 08	200 000	1954
1955	---	18.3 B ON APR 12	0.850B ON MAR 04	94 500	1955
1956	---	41.3 ON APR 30	0 B ON MAR 01	157 000	1956
1957	---	14.0 B ON APR 19	0.085B ON MAR 01	41 700	1957
1958	63.7 B AT 17:00 MST ON APR 07 *	42.2 B ON APR 07	0.042 ON SEP 12	73 000	1958
1959	15.0 B AT 10:30 MST ON APR 04	13.5 B ON APR 04	0.028B ON MAR 01	22 200	1959
1960	---	14.1 B ON APR 10	0 B ON MAR 01	45 500	1960
1961	20.8 B AT 11:15 MST ON MAR 30	18.9 B ON MAR 30	0.048 ON JUL 14	43 700	1961
1962	---	25.2 ON APR 23	0.020 ON OCT 10	76 200	1962
1963	---	17.6 ON APR 24	0.241 ON OCT 31	86 400	1963
1964	---	10.6 B ON APR 21	0 B ON MAR 01	17 600	1964
1965	---	37.1 ON JUL 11	0.028B ON MAR 01	260 000	1965
1966	---	36.8 ON APR 06	0.439 ON JUL 27	92 900	1966
1967	---	22.4 B ON MAY 01	0 B ON MAR 01	54 200	1967
1968	---	8.52B ON MAR 14	0.006 ON JUN 10	21 300	1968
1969	---	18.4 B ON APR 11	0 B ON MAR 01	41 900	1969
1970	---	27.3 ON APR 19	0.085B ON MAR 01	75 200	1970
1971	---	51.0 ON APR 28	0.011B ON MAR 21	195 000	1971
1972	---	44.5 ON APR 22	0.156B ON MAR 01	165 000	1972
1973	---	12.1 B ON APR 11	0.122B ON MAR 01	47 100	1973
1974	---	115 ON APR 27 *	0.396B ON MAR 01	463 000	1974
1975	---	21.1 ON APR 25	0.583B ON MAR 01	88 800	1975
1976	---	13.5 B ON APR 08	0.059B ON MAR 01	42 200	1976
1977	---	21.7 B ON APR 10	0.555B ON MAR 01	67 500	1977
1978	---	21.0 B ON APR 11	0.663 ON JUL 23	67 500	1978
1979	---	32.3 B ON APR 16	1.67 ON SEP 08	136 000	1979
1980	---	16.7 B ON APR 15	0.282B ON MAR 01	73 800	1980
1981	29.8 AT 12:30 MST ON APR 03	29.5 ON APR 03	0.413 ON SEP 02	101 000	1981
1982	51.9 AT 21:00 MST ON APR 23	42.1 ON APR 24	0.120B ON MAR 30	159 000	1982
1983	22.0 AT 03:50 MST ON JUL 07	17.7 ON JUL 07	0.358 ON SEP 25	77 500	1983
1984	9.52 AT 03:00 MST ON APR 06	8.41B ON APR 06	0.029 ON SEP 05	24 000	1984
1985	43.4 B AT 06:00 MST ON APR 08	33.7 B ON APR 08	0.291B ON MAR 01	123 000	1985
1986	---	27.4 B ON APR 01	0.836 ON JUL 01	139 000	1986
1987	---	19.8 B ON APR 14	0.274 ON JUL 22	64 500	1987
1988	18.7 AT 16:53 MST ON JUL 07	16.2 ON JUL 07	0.052 ON JUN 03	45 700	1988
1989	---	8.35 ON OCT 30	0.023B ON MAR 26	81 000	1989
1990	---	10.7 B ON APR 12	0.656 ON JUN 25	87 100	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		94 200	MEAN

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	0.144	0.046	0.090	---	---	---	1981
1982	---	---	0	2.95	0.605	0.058	2.63	0.136	0.103	0.070	---	---	0.816	1982
1983	---	---	0.031	1.44	0.106	0.172	0.776	0.036	0.015	0.056	---	---	0.327	1983
1984	---	---	0.374	0.209	0.864	0.443	0.017	0.004	0.078	0.090	---	---	0.260	1984
1985	---	---	0.349	3.21	0.191	0.273	0.038	0.023	0.051	0.025	---	---	0.512	1985
1986	---	---	0.885	0.562	0.541	0.055	2.47	0.007	0.026	0.121	---	---	0.598	1986
1987	---	---	0.073	0.515	0.179	0.046	0.037	0.826	0.028	0.060	---	---	0.221	1987
1988	---	---	0.040	0.048	0.023	0.154	1.99	0.167	0.023	0.061	---	---	0.303	1988
1989	---	---	0.003	1.66	0.811	0.846	2.72	1.45	0.436	0.350	---	---	1.04	1989
1990	---	---	0.832	0.781	0.363	0.681	1.21	0.003	0.002	0.007	---	---	0.484	1990
MEAN	---	---	0.287	1.26	0.409	0.303	1.31	0.288	0.081	0.093	---	---	0.507	MEAN

LOCATION - LAT 53 35 29 N LONG 114 51 35 W DRAINAGE AREA, 121 km² NATURAL FLOW

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	---	---	---	1981
1982	22.9 AT 01:50 MST ON JUL 05	18.9 ON JUL 05	0 B ON MAR 01 *	17 300	1982
1983	6.76 AT 19:25 MST ON APR 08	4.73B ON APR 02	0.002B ON MAR 01	6 920	1983
1984	4.29 AT 13:35 MST ON MAY 17	3.33 ON MAY 17	0 ON SEP 02	5 500	1984
1985	12.6 B AT 15:30 MST ON APR 03	8.37B ON APR 02	0 ON AUG 07	10 800	1985
1986	60.0 AT 09:45 MST ON JUL 18 *	36.6 ON JUL 18 *	0.001 ON JUN 26	12 700	1986
1987	7.28 AT 01:36 MST ON AUG 06	5.51 ON AUG 06	0.001 ON JUL 29	4 670	1987
1988	47.0 AT 21:40 MST ON JUL 06	21.5 ON JUL 07	0.001B ON MAR 01	6 420	1988
1989	40.2 AT 03:00 MST ON JUL 09	24.3 ON JUL 09	0.001B ON MAR 01	21 900	1989
1990	19.3 AT 04:28 MST ON JUL 04	15.0 ON JUL 04	0 ON AUG 05	10 300	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 700	MEAN

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.43	3.81	2.18	1.29	1.57	2.19	---	---	---	1914
1915	---	---	---	2.63	1.98	3.07	1.84	1.57	2.14	2.92	---	---	2.30	1915
1928	---	---	---	---	4.06	2.63	2.13	1.06	0.611	0.460	---	---	---	1928
1929	---	---	---	0.670	0.898	0.531	0.192	0.003	0	0	---	---	0.327	1929
1930	---	---	---	0.012	0.009	0.019	0.014	---	---	---	---	---	---	1930
1931	---	---	---	0.050	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.841	1.68	2.01	1.27	0.981	1.08	1.39	---	---	1.31	MEAN

LOCATION - LAT 53 43 58 N LONG 114 16 17 W DRAINAGE AREA, 738 km² NATURAL FLOW

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	13.6 ON JUN 09 *	---	---	1914
1915	---	6.68 ON JUN 10	1.42 ON AUG 10	42 500	1915
1928	---	4.59 ON MAY 05	---	---	1928
1929	---	1.56 ON MAY 25	0 ON AUG 09 *	6 040	1929
1930	---	0.065 ON JUN 28	0 B ON APR 01	---	1930
1931	---	---	0 ON APR 01	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 300	MEAN

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	2.16	22.6	9.25	2.44	2.47	3.15	---	---	---	1914
1915	---	---	---	---	2.50	21.0	7.47	2.86	2.87	3.53	---	---	---	1915
1928	---	---	---	---	7.67	2.70	2.47	1.15	0.961	0.899	---	---	---	1928
1929	---	---	---	---	---	0.812	0.485	0.247	0.127	0.195	---	---	---	1929
1930	---	---	---	1.29	0.450	0.412	0.615	0.245	0.174	0.165	---	---	---	1930
1968	---	---	---	---	0.071	0.078	0.020	0.019	---	---	---	---	---	1968
1969	---	---	0.052	7.73	0.311	0.048	0.021	1.15	1.23	0.430	---	---	---	1969
1970	---	---	0.085	13.5	0.438	0.292	0.737	1.04	0.109	0.123	---	---	---	1970
1971	---	---	0.181	24.0	2.24	0.930	15.4	4.42	2.94	2.61	1.90	1.49	---	1971
1972	0.722	0.811	1.48	24.2	8.36	3.90	1.60	0.830	0.838	0.629	0.415	0.196	3.64	1972
1973	0.059	0.040	0.796	3.14	1.14	1.43	1.52	0.649	0.535	0.574	0.452	0.302	0.888	1973
1974	0.312	0.260	0.231	44.5	25.5	12.7	28.8	5.64	3.28	1.82	1.23	0.778	10.4	1974
1975	0.623	0.790	0.701	8.73	3.59	2.05	3.74	1.51	2.85	0.962	0.562	0.220	2.03	1975
1976	0.345	0.455	0.641	5.99	1.44	0.623	0.422	0.769	0.418	0.157	0.230	0.182	0.975	1976
1977	0.193	0.276	0.388	3.79	2.53	4.75	1.87	0.795	2.47	2.99	1.65	1.09	1.93	1977
1978	1.03	0.990	2.48	4.79	2.04	1.78	0.879	0.796	1.57	1.22	1.15	2.68	1.96	1978
1979	2.12	1.85	4.24	10.1	6.44	3.86	2.99	2.28	1.29	1.05	0.549	0.329	3.09	1979
1980	0.315	0.413	0.464	6.06	1.56	2.31	1.99	2.32	2.51	1.83	1.32	1.09	1.84	1980
1981	1.05	1.04	7.40	8.07	1.87	1.08	0.767	0.821	0.202	0.429	0.292	0.184	1.94	1981
1982	0.167	0.330	0.501	16.4	8.57	2.53	6.93	2.86	3.45	2.91	1.52	1.25	3.93	1982
1983	1.04	0.892	1.22	2.57	1.54	6.53	3.18	0.755	0.369	0.168	0.176	0.173	1.55	1983
1984	0.163	0.177	1.15	1.00	1.11	1.05	0.154	0.020	0.209	0.438	0.557	0.544	0.548	1984
1985	0.606	0.668	3.10	18.1	5.11	4.07	1.86	0.794	0.430	0.140	0.352	0.314	2.95	1985
1986	0.552	0.566	9.91	6.32	3.69	1.64	7.01	3.69	2.91	3.83	2.37	1.58	3.70	1986
1987	1.35	0.888	1.01	8.60	2.12	0.875	0.147	1.52	1.38	0.140	0.192	0.094	1.52	1987
1988	0.011	0.007	0.410	0.265	0.108	0.214	3.94	0.394	0.052	0.090	0.402	0.166	0.502	1988
1989	0.120	0.105	0.150	3.11	2.66	2.83	4.39	3.94	6.30	6.48	6.33	3.30	3.32	1989
1990	2.24	1.65	3.10	4.73	4.19	2.66	6.34	1.71	1.44	0.912	0.668	0.350	2.51	1990
MEAN	0.685	0.648	1.80	9.78	3.72	3.76	4.09	1.64	1.64	1.40	1.16	0.816	2.59	MEAN

LOCATION - LAT 53 39 18 N LONG 113 45 42 W — DRAINAGE AREA, 1 910 km² — NATURAL FLOW

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	40.8 E ON JUN 12	---	---	1914
1915	---	50.7 . ON JUN 13	---	---	1915
1928	---	10.5 E ON MAY 09	---	---	1928
1929	---	---	---	---	1929
1930	---	1.98B ON APR 06	---	---	1930
1968	---	---	0 ON JUN 05 *	---	1968
1969	---	33.1 B ON APR 12	---	---	1969
1970	54.9 AT 00:49 MST ON APR 11	46.4 ON APR 11	---	---	1970
1971	100 AT 22:30 MST ON APR 21	96.0 ON APR 21	---	---	1971
1972	59.7 AT 21:30 MST ON APR 15	58.9 ON APR 16	0.102B ON DEC 31	115 000	1972
1973	12.7 B AT 04:00 MST ON APR 02	9.34B ON APR 02	0.026B ON MAR 11	28 000	1973
1974	136 AT 15:40 MST ON APR 21 *	136 ON APR 22 *	0.142B ON MAR 31	329 000	1974
1975	---	26.5 B ON APR 22	0.142B ON DEC 17	63 900	1975
1976	---	15.9 A ON APR 08	0.085 ON OCT 16	30 800	1976
1977	16.8 AT 09:00 MST ON APR 09	15.1 ON APR 09	0.167B ON JAN 10	61 000	1977
1978	13.1 B AT 09:40 MST ON APR 04	10.8 B ON APR 04	0.191 ON AUG 26	61 700	1978
1979	18.6 AT 02:15 MST ON APR 24	18.5 ON APR 23	0.276B ON DEC 31	97 400	1979
1980	39.5 AT 04:10 MST ON APR 13	30.4 B ON APR 13	0.256B ON JAN 08	58 300	1980
1981	---	13.2 ON MAR 30	0.034 ON SEP 19	61 000	1981
1982	77.6 AT 16:30 MST ON APR 26	77.2 ON APR 26	0.140B ON JAN 01	124 000	1982
1983	29.9 ON JUN	29.0 E ON JUN 29	0.122 ON OCT 01	46 800	1983
1984	---	4.75B ON MAR 28	0.003 ON OCT 02	17 300	1984
1985	37.5 AT 15:48 MST ON APR 05	37.1 ON APR 05	0.011 ON OCT 04	93 200	1985
1986	47.4 B AT 19:10 MST ON MAR 27	42.2 B ON MAR 27	0.426B ON JAN 01	117 000	1986
1987	---	23.1 B ON APR 06	0.030B ON DEC 31	47 800	1987
1988	19.0 AT 08:17 MST ON JUL 07	18.2 ON JUL 07	0.005B ON JAN 31	15 900	1988
1989	8.02 AT 10:00 MST ON JUL 15	7.89 ON JUL 15	0.103B ON JAN 29	105 000	1989
1990	14.1 AT 20:40 MST ON JUL 09	13.9 ON JUL 10	0.200B ON DEC 02	79 100	1990
MEAN				81 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) — B - ICE CONDITIONS — E - ESTIMATED — * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.736	0.884	---	---	---	1972
1973	---	---	0.377	1.51	3.28	2.01	0.799	0.587	0.507	0.717	---	---	1.22	1973
1974	---	---	0.442	1.71	5.24	1.34	1.36	0.673	0.553	0.463	---	---	1.48	1974
1975	---	---	0.220	0.561	1.09	0.902	1.57	0.389	0.230	0.217	---	---	0.649	1975
1976	---	---	0.211	1.15	0.600	0.525	0.431	1.02	0.548	0.352	---	---	0.603	1976
1977	---	---	0.208	0.754	3.16	1.88	1.53	1.39	2.28	1.69	---	---	1.61	1977
1978	---	---	0.435	1.29	1.82	3.00	2.07	1.32	2.05	0.990	---	---	1.62	1978
1979	---	---	0.308	0.612	1.63	2.00	2.78	1.24	0.328	0.578	---	---	1.19	1979
1980	---	---	0.329	1.66	1.19	5.21	2.27	1.27	1.30	0.796	---	---	1.74	1980
1981	---	---	0.421	0.771	1.49	1.11	0.470	0.488	0.344	0.358	---	---	0.681	1981
1982	---	---	0.152	0.480	3.79	1.26	6.54	2.16	1.61	1.31	---	---	2.26	1982
1983	---	---	0.231	0.783	0.755	1.28	2.17	0.667	0.355	0.368	---	---	0.852	1983
1984	---	---	0.316	1.20	2.07	0.873	0.326	0.127	2.04	0.758	---	---	0.958	1984
1985	---	---	0.358	1.34	1.77	1.46	0.628	0.613	0.765	0.794	---	---	0.964	1985
1986	---	---	0.310	0.852	1.97	1.50	3.11	0.467	0.789	1.25	---	---	1.28	1986
1987	---	---	0.261	0.586	0.603	0.309	0.199	0.853	0.341	0.193	---	---	0.418	1987
1988	---	---	0.221	0.544	0.504	1.90	0.536	0.222	0.160	0.256	---	---	0.539	1988
1989	---	---	0.123	0.588	1.36	1.65	3.54	2.75	1.14	0.586	---	---	1.47	1989
1990	---	---	0.336	0.820	1.56	4.44	1.93	0.614	0.391	0.460	---	---	1.31	1990
MEAN	---	---	0.292	0.956	1.88	1.81	1.80	0.975	0.867	0.685	---	---	1.16	MEAN

LOCATION - LAT 53 33 58 N DRAINAGE AREA, 174 km²
LONG 116 42 12 W NATURAL FLOW

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	5.55 AT 23:50 MST ON MAY 29	5.30 ON MAY 29	0.337B ON MAR 17	25 900	1973
1974	10.0 AT 04:00 MST ON MAY 14	9.71 ON MAY 14	0.340B ON MAR 01	31 300	1974
1975	5.61 AT 10:30 MST ON JUL 01	5.52 ON JUL 01	0.184 ON SEP 15	13 700	1975
1976	2.94 AT 10:50 MST ON APR 14	2.34 ON APR 13	0.178B ON MAR 08	12 800	1976
1977	5.95 AT 19:50 MST ON MAY 08	5.86 ON MAY 08	0.184B ON MAR 22	34 100	1977
1978	8.52 AT 11:00 MST ON JUN 17	8.35 ON JUN 17	0.382B ON MAR 01	34 200	1978
1979	6.13 AT 04:40 MST ON JUL 15	6.08 ON JUL 15	0.220B ON MAR 01	25 100	1979
1980	9.98 AT 19:00 MST ON JUN 27	9.64 ON JUN 27	0.281B ON MAR 01	36 800	1980
1981	2.24 AT 11:25 MST ON JUN 02	2.21 ON JUN 02	0.248 ON AUG 24	14 400	1981
1982	17.3 AT 12:00 MST ON JUL 16 *	15.4 ON JUL 06 *	0.110B ON MAR 01	47 900	1982
1983	4.34 AT 23:40 MST ON JUL 04	4.20 ON JUL 05	0.185B ON MAR 01	18 000	1983
1984	5.40 AT 18:10 MST ON SEP 23	5.30 ON SEP 23	0.084 ON AUG 21	20 300	1984
1985	4.49 AT 09:41 MST ON JUN 27	4.41 ON JUN 27	0.270B ON MAR 11	20 400	1985
1986	9.57 AT 07:14 MST ON JUL 20	9.23 ON JUL 20	0.161 ON AUG 17	27 200	1986
1987	2.08 AT 18:49 MST ON AUG 02	2.01 ON AUG 03	0.099 ON JUL 29	8 850	1987
1988	4.90 AT 05:43 MST ON JUN 14	4.81 ON JUN 14	0.082 ON SEP 17 *	11 400	1988
1989	8.01 AT 05:14 MST ON JUL 11	7.77 ON JUL 11	0.103B ON MAR 03	31 100	1989
1990	13.5 AT 14:34 MST ON JUN 14	11.5 ON JUN 15	0.289 ON OCT 01	27 800	1990
				24 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	2.01	4.52	4.40	---	---	---	---	---	1949
1950	---	---	---	---	---	---	5.95	4.61	2.28	---	---	---	---	1950
1951	---	---	---	---	---	1.04	5.68	3.61	1.36	---	---	---	---	1951
1952	---	---	---	---	---	1.06	1.66	2.97	2.08	---	---	---	---	1952
1953	---	---	---	---	---	2.02	4.92	4.65	1.88	0.463	---	---	---	1953
1954	---	---	---	---	---	1.69	4.32	3.63	1.57	0.242	---	---	---	1954
1955	---	---	---	---	---	1.67	6.13	4.57	2.33	---	---	---	---	1955
1956	---	---	---	---	0.403	2.85	6.01	5.09	2.20	---	---	---	---	1956
1957	---	---	---	---	---	1.02	1.92	2.97	2.10	---	---	---	---	1957
1958	---	---	---	---	0.787	1.38	5.00	5.75	1.87	0.371	---	---	2.54	1958
1959	---	---	---	---	---	1.85	4.74	3.09	1.19	---	---	---	---	1959
1960	---	---	---	---	0.136	1.52	5.83	3.85	1.48	0.321	---	---	2.20	1960
1961	---	---	---	---	0.440	4.09	5.41	5.62	1.35	0.641	---	---	2.93	1961
1962	---	---	---	---	---	2.16	4.08	4.04	1.34	0.350	---	---	---	1962
1963	---	---	---	---	---	---	4.39	4.71	1.79	0.345	---	---	---	1963
1964	---	---	---	---	---	---	5.64	3.28	1.21	0.527	---	---	---	1964
1965	---	---	---	---	---	2.44	4.57	5.93	0.591	0.345	---	---	---	1965
1966	---	---	---	---	0.461	2.00	4.49	4.31	3.06	0.674	---	---	2.50	1966
1967	---	---	---	---	---	2.48	4.69	5.31	3.95	0.534	---	---	---	1967
1968	---	---	---	---	0.178	1.94	4.55	3.47	1.93	0.386	---	---	2.08	1968
1969	---	---	---	---	---	3.46	4.08	4.28	1.75	---	---	---	---	1969
1970	---	---	---	---	---	3.82	5.77	5.07	1.17	0.298	---	---	---	1970
1971	---	---	---	---	0.295	2.01	4.02	6.10	1.50	0.508	---	---	2.41	1971
1972	---	---	---	---	---	2.68	3.45	5.38	1.38	0.340	---	---	---	1972
1973	---	---	---	---	---	1.91	---	3.73	1.85	0.227	---	---	---	1973
1974	---	---	---	---	0.146	2.03	3.78	4.19	1.74	0.615	---	---	2.09	1974
1975	---	---	---	---	0.168	1.23	6.43	3.23	1.22	0.273	---	---	2.10	1975
1976	---	---	---	---	---	1.17	1.99	---	---	0.416	---	---	---	1976
1977	---	---	---	---	0.218	2.83	3.67	4.35	0.887	0.108	---	---	2.01	1977
1978	---	---	---	---	0.147	2.33	5.90	4.12	2.68	0.340	---	---	2.58	1978
1979	---	---	---	---	0.277	2.06	5.09	4.73	2.41	0.690	---	---	2.35	1979
1980	---	---	---	---	0.927	2.55	4.40	2.84	1.45	0.756	---	---	2.16	1980
1981	---	---	---	---	0.925	1.48	4.90	6.44	2.53	0.160	---	---	2.75	1981
1982	---	---	---	---	0.174	3.10	4.83	4.25	2.83	0.389	---	---	2.59	1982
1983	---	---	---	---	0.415	2.60	4.29	4.89	1.02	0.278	---	---	2.25	1983
1984	---	---	---	---	0.104	2.43	4.35	5.06	1.52	0.829	---	---	2.38	1984
1985	---	---	---	---	0.684	1.68	5.76	3.61	0.661	0.103	---	---	2.09	1985
1986	---	---	---	---	0.849	3.07	3.87	4.37	1.25	0.340	---	---	2.42	1986
1987	---	---	---	---	0.582	3.87	5.24	2.90	2.34	0.462	---	---	2.56	1987
1988	---	---	---	---	0.611	2.97	5.97	4.31	1.83	0.768	---	---	2.41	1988
1989	---	---	---	---	0.211	2.59	5.02	4.20	1.29	0.316	---	---	2.27	1989
1990	---	---	---	---	0.355	2.71	5.73	6.43	2.32	0.262	---	---	2.97	1990
MEAN	---	---	---	---	0.413	2.27	4.71	4.40	1.83	0.433	---	---	2.40	MEAN

LOCATION - LAT 52 13 00 N DRAINAGE AREA, 29.8 km²
LONG 117 13 57 W NATURAL FLOW

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO. 07AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	13.5 AT 18:00 MST ON JUL 15	9.06 ON JUL 16	---	---	1949
1950	12.2 AT 17:00 MST ON JUL 26	9.29 ON JUL 26	---	---	1950
1951	11.8 AT 16:20 MST ON JUL 18	9.40 ON JUL 18	---	---	1951
1952	7.25 AT 21:00 MST ON AUG 13	5.49 ON AUG 13	---	---	1952
1953	13.6 AT 16:00 MST ON JUL 14	11.9 ON JUL 14	---	---	1953
1954	8.30 AT 17:00 MST ON JUL 19	6.85 ON JUL 19	---	---	1954
1955	15.3 AT 19:00 MST ON JUL 17 *	12.0 ON JUL 15 *	---	---	1955
1956	12.3 AT 09:30 MST ON JUL 24	9.71 ON JUL 22	---	---	1956
1957	6.68 AT 20:00 MST ON SEP 06	5.66 ON SEP 07	---	---	1957
1958	10.8 AT 16:00 MST ON JUL 21	9.12 ON JUL 22	0.113B ON MAY 01	40 300	1958
1959	11.6 AT 17:00 MST ON JUL 24	10.2 ON JUL 24	---	---	1959
1960	10.9 AT 17:00 MST ON JUL 19	8.78 ON JUL 19	0.028B ON MAY 01	34 900	1960
1961	10.9 AT 17:00 MST ON JUL 21	9.34 ON JUL 21	0 B ON MAY 01 *	46 500	1961
1962	8.35 AT 17:00 MST ON AUG 01	6.71 ON JUL 26	---	---	1962
1963	10.3 AT 18:00 MST ON AUG 13	8.58 ON AUG 13	---	---	1963
1964	10.2 AT 21:00 MST ON JUL 13	8.64 ON JUL 15	---	---	1964
1965	---	8.58 ON AUG 10	---	---	1965
1966	8.95 AT 18:00 MST ON JUL 30	7.56 ON JUL 30	0.042B ON MAY 01	39 700	1966
1967	8.52 AT 18:30 MST ON AUG 13	8.04 ON SEP 02	---	---	1967
1968	9.03 AT 04:19 MST ON JUN 27	8.95 ON JUL 12	0 B ON MAY 01	33 000	1968
1969	7.76 AT 16:44 MST ON JUL 24	6.31 ON AUG 21	---	---	1969
1970	9.83 AT 17:20 MST ON JUL 18	8.55 ON JUL 08	---	---	1970
1971	11.3 AT 16:25 MST ON AUG 02	9.37 ON AUG 08	0.014B ON MAY 13	38 400	1971
1972	10.1 AT 17:30 MST ON AUG 09	8.33 ON AUG 09	---	---	1972
1973	---	---	---	---	1973
1974	10.1 AT 16:20 MST ON AUG 05	8.47 ON AUG 05	0.048B ON MAY 04	33 200	1974
1975	12.3 AT 17:30 MST ON JUL 11	10.7 ON JUL 28	0.028B ON MAY 01	33 400	1975
1976	7.93 AT 19:00 MST ON AUG 06	6.77 ON AUG 03	---	---	1976
1977	8.04 AT 18:00 MST ON AUG 13	6.88 ON AUG 12	0.025E ON MAY 01	32 000	1977
1978	11.8 AT 16:30 MST ON SEP 04	11.1 ON SEP 04	0.015B ON MAY 01	41 100	1978
1979	10.3 AT 18:00 MST ON JUL 20	8.28 ON JUL 21	0.074 ON MAY 12	40 500	1979
1980	10.3 AT 18:05 MST ON JUL 23	8.45 ON JUL 23	0.124 ON OCT 30	34 300	1980
1981	11.9 AT 18:10 MST ON AUG 15	9.52 ON AUG 12	0.100E ON OCT 30	43 700	1981
1982	12.2 AT 13:50 MST ON SEP 09	10.5 ON SEP 09	0.020B ON MAY 01	41 200	1982
1983	11.7 AT 18:15 MST ON JUL 12	9.39 ON JUL 12	0.052B ON MAY 01	35 800	1983
1984	10.2 AT 17:50 MST ON JUL 28	8.18 ON JUL 28	0.024B ON MAY 01	37 900	1984
1985	10.3 AT 17:10 MST ON JUL 21	7.89 ON JUL 21	0.030B ON MAY 01	33 300	1985
1986	8.28 AT 17:15 MST ON AUG 11	6.30 ON JUL 02	0.060B ON MAY 01	38 500	1986
1987	12.9 AT 18:20 MST ON JUL 29	8.98 ON JUL 29	0.060B ON MAY 02	40 700	1987
1988	9.93 AT 17:20 MST ON JUL 26	7.53 ON JUL 26	0.096E ON MAY 01	38 300	1988
1989	10.5 AT 20:05 MST ON JUL 15	8.18 ON JUL 15	0.001B ON MAY 01	36 200	1989
1990	13.4 AT 18:07 MST ON AUG 14	10.9 ON JUL 13	0.108A ON OCT 31	47 200	1990
				38 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	25.9	22.2	5.39	3.80	3.04	---	---	---	1915
1916	---	---	---	---	28.7	23.5	33.6	4.14	2.01	3.12	---	---	---	1916
1917	---	---	---	---	167	14.9	5.36	7.13	1.26	1.32	---	---	---	1917
1961	---	---	---	---	---	---	57.0	3.66	1.83	2.83	---	---	---	1961
1962	---	---	0.317	35.2	70.9	22.7	27.6	8.32	5.50	4.23	---	---	---	1962
1963	---	---	0.640	50.6	68.3	21.6	18.9	16.4	9.16	3.10	---	---	---	1963
1965	---	---	0.756	18.6	47.9	40.8	22.0	37.4	34.0	8.08	---	---	---	1965
1966	---	---	0.603	16.8	46.2	12.8	10.5	16.1	7.18	2.79	---	---	---	1966
1967	---	---	0.585	5.39	50.1	13.1	3.14	1.99	0.675	0.815	---	---	---	1967
1968	---	---	0.830	5.32	29.2	32.4	9.02	8.20	7.51	5.34	---	---	---	1968
1969	---	---	0.356	26.3	14.0	3.81	4.91	6.30	30.9	13.4	---	---	---	1969
1970	---	---	0.809	21.2	38.6	33.1	26.5	8.73	8.07	5.92	4.10	1.27	---	1970
1971	0.778	0.627	1.13	37.3	24.0	80.4	76.6	9.74	3.39	3.03	1.63	0.802	20.0	1971
1972	0.486	0.407	1.10	18.0	64.3	53.1	18.4	11.0	6.86	7.69	3.18	1.34	15.3	1972
1973	1.31	0.497	0.918	14.1	54.3	56.4	19.6	14.0	8.04	9.61	5.18	2.13	15.1	1973
1974	1.23	1.28	0.977	53.2	71.4	12.6	37.7	7.54	7.27	6.99	2.50	1.43	17.1	1974
1975	1.08	0.656	0.790	14.2	28.4	47.7	34.9	25.2	19.5	5.72	2.79	0.802	15.2	1975
1976	0.847	1.27	0.922	33.9	21.4	27.1	37.1	64.6	21.7	9.55	4.27	1.92	18.7	1976
1977	1.51	1.78	1.24	21.1	53.7	33.5	44.0	6.94	7.36	7.78	3.12	0.666	16.1	1977
1978	0.437	0.325	0.617	22.5	33.0	29.0	11.9	9.21	42.6	8.69	3.61	2.10	13.7	1978
1979	0.835	0.760	1.83	12.9	73.6	62.4	73.2	8.54	3.10	2.38	1.34	0.702	20.3	1979
1980	0.416	0.183	0.149	14.2	16.4	17.6	15.0	16.8	27.4	7.66	3.37	0.916	10.0	1980
1981	0.953	1.11	1.47	17.7	40.9	25.0	13.9	2.37	1.62	2.55	1.65	0.424	7.49	1981
1982	0.201	0.213	0.137	8.22	47.1	7.52	30.7	30.9	4.04	2.47	0.817	0.387	11.2	1982
1983	0.178	0.134	0.153	5.42	7.57	59.0	98.9	13.6	8.14	6.07	5.07	0.896	14.5	1983
1984	0.431	0.530	1.06	10.3	25.8	45.8	14.2	9.86	14.6	5.67	2.86	1.44	11.0	1984
1985	0.388	0.243	1.59	28.7	56.0	24.2	5.19	3.85	29.5	20.8	3.25	0.792	14.6	1985
1986	1.11	0.875	2.48	17.7	52.1	18.5	64.8	12.6	5.19	15.3	5.06	2.20	16.7	1986
1987	0.48	1.28	1.08	23.9	20.8	12.6	7.23	27.2	10.1	4.20	2.19	0.960	9.46	1987
1988	0.277	0.234	1.72	21.5	20.1	37.8	68.7	6.52	2.99	2.46	1.34	0.835	13.7	1988
1989	0.419	0.238	0.267	10.7	50.2	13.7	31.9	57.6	8.14	4.32	4.66	2.19	15.5	1989
1990	1.58	0.672	1.71	17.9	21.5	29.5	12.1	2.84	3.86	3.09	1.65	0.642	8.09	1990
MEAN	0.797	0.666	0.951	21.1	43.2	30.0	29.8	14.6	10.9	5.91	2.98	1.18	14.3	MEAN

LOCATION - LAT 55 19 00 N LONG 115 24 30 W DRAINAGE AREA, 1 900 km² NATURAL FLOW

REMARKS - 1983 PEAK FLOW DISCHARGES REVISED FEB 1990

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---		---		---	---	1915
1916	---		68.0 ON JUN 04		---	---	1916
1917	---		85.0 ON JUL 07		---	---	1917
1961	351 E ON JUL 01		493 ON MAY 17		---	---	1961
1962	188 AT 17:00 MST ON MAY 20		214 ON JUL 09		---	---	1962
1963	---		165 ON MAY 20		---	---	1963
1965	---		150 ON APR 27		---	---	1965
1966	116 AT 13:15 MST ON AUG 29		195 ON JUN 29		---	---	1966
1967	91.5 AT 13:00 MST ON MAY 16		73.6 ON MAY 08		---	---	1967
1968	182 AT 15:30 MST ON JUN 13		86.9 ON MAY 18		---	---	1968
1969	167 AT 05:00 MST ON SEP 06		160 ON JUN 13		---	---	1969
1970	213 AT 18:00 MST ON JUN 29		155 ON SEP 06		---	---	1970
1971	334 AT 11:30 MST ON JUL 04		185 ON JUN 29		---	---	1971
1972	212 A AT 23:30 MST ON JUN 18		323 ON JUL 04		0.399B ON FEB 07	631 000	1972
1973	186 AT 06:30 MST ON JUN 17		192 A ON JUN 19		0.340B ON MAR 02	485 000	1973
1974	257 A AT 03:00 MST ON JUL 14		179 ON JUN 17		0.266B ON FEB 15	476 000	1974
1975	343 A AT 00:30 MST ON JUN 29		235 A ON JUL 13		0.867B ON MAR 23	540 000	1975
1976	294 AT 04:00 MST ON AUG 28		314 A ON JUN 29		0.538B ON FEB 12	479 000	1976
1977	216 AT 09:30 MST ON JUL 07		258 ON AUG 28		0.759B ON JAN 04	591 000	1977
1978	225 AT 08:00 MST ON SEP 18		199 ON JUL 07		0.481B ON DEC 09	508 000	1978
1979	362 A AT 00:30 MST ON JUL 02		216 ON SEP 18		0.212B ON FEB 15	431 000	1979
			348 A ON JUL 02		0.403B ON MAR 06	640 000	
1980	92.8 AT 03:00 MST ON SEP 18		83.7 ON SEP 18		0.098B ON MAR 05 *	316 000	1980
1981	97.2 AT 06:30 MST ON JUL 23		87.4A ON JUL 23		0.253B ON DEC 31	236 000	1981
1982	200 AT 14:00 MST ON AUG 04		183 ON AUG 04		0.123B ON MAR 20	354 000	1982
1983	571 R AT 15:30 MST ON JUN 26		441 A ON JUN 26		0.119B ON FEB 28	543 000	1983
1984	257 AT 13:30 MST ON JUN 08		245 ON JUN 08		0.302B ON JAN 12	349 000	1984
1985	182 AT 08:00 MST ON JUN 25		166 A ON JUN 25		0.220B ON FEB 06	460 000	1985
1986	332 AT 02:30 MST ON JUL 19		289 ON JUL 18		0.606B ON FEB 23	526 000	1986
1987	145 AT 15:00 MST ON AUG 01		84.7 ON AUG 01		0.644B ON DEC 31	298 000	1987
1988	624 AT 13:30 MST ON JUL 07 *		580 ON JUL 07 *		0.166B ON FEB 07	434 000	1988
1989	354 AT 01:00 MST ON AUG 05		341 ON AUG 04		0.201B ON FEB 18	490 000	1989
1990	176 AT 15:30 MST ON JUN 13		160 ON JUN 13		0.412B ON DEC 31	255 000	1990
MEAN						452 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	2.33	1.42	1.33	0.688	---	---	---	1970
1971	---	---	0.234	1.59	3.22	6.98	10.2	1.95	0.777	0.593	---	---	3.19	1971
1972	---	---	0.378	0.429	7.93	4.97	1.74	1.12	1.16	1.02	---	---	2.35	1972
1973	---	---	0.160	0.639	5.47	5.14	2.22	2.46	1.22	0.857	---	---	2.27	1973
1974	---	---	0.203	1.48	7.46	2.41	4.66	0.930	0.824	0.909	---	---	2.37	1974
1975	---	---	0.162	0.589	2.26	4.74	2.99	2.95	2.30	2.09	---	---	2.26	1975
1976	---	---	0.130	2.91	3.69	3.58	3.73	7.85	2.31	1.13	---	---	3.17	1976
1977	---	---	0.207	2.29	5.81	3.29	5.18	0.921	0.985	0.959	---	---	2.46	1977
1978	---	---	0.190	1.46	5.79	3.45	2.90	1.33	5.09	1.50	---	---	2.45	1978
1979	---	---	0.232	0.311	5.47	6.47	6.71	0.745	0.579	0.356	---	---	2.61	1979
1980	---	---	0.047	2.74	2.27	1.77	1.77	1.27	2.82	0.804	---	---	1.68	1980
1981	---	---	0.212	1.14	2.27	2.91	2.22	0.475	0.437	0.446	---	---	1.26	1981
1982	---	---	0.107	0.963	7.13	1.66	6.25	3.15	0.875	0.345	---	---	2.58	1982
1983	---	---	0.041	1.14	0.980	4.44	10.7	2.40	1.39	0.937	---	---	2.76	1983
1984	---	---	0.193	1.19	5.63	5.00	2.74	1.66	1.65	0.744	---	---	2.35	1984
1985	---	---	0.270	1.53	6.91	2.83	0.627	0.655	4.98	2.39	---	---	2.52	1985
1986	---	---	0.113	2.56	5.90	2.48	6.60	1.54	0.815	1.59	---	---	2.71	1986
1987	---	---	0.175	1.67	2.17	1.65	1.34	3.21	1.96	0.930	---	---	1.64	1987
1988	---	---	0.064	1.91	2.93	3.80	7.04	1.46	0.796	0.667	---	---	2.34	1988
1989	---	---	0.237	2.11	6.08	2.50	4.55	5.31	1.42	0.652	---	---	2.87	1989
1990	---	---	0.228	1.84	2.70	2.82	1.64	0.544	0.638	0.667	---	---	1.38	1990
MEAN	---	---	0.180	1.52	4.50	3.64	4.20	2.06	1.64	0.965	---	---	2.36	MEAN

LOCATION - LAT 54 48 08 N LONG 115 28 12 W DRAINAGE AREA, 156 km² NATURAL FLOW

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	20.4 AT 09:00 MST ON JUN 28	16.3 ON JUN 16	---	---	1970
1971	84.4 AT 15:30 MST ON JUL 03	55.8 ON JUL 03 *	0.093B ON MAR 31	67 600	1971
1972	23.6 AT 02:00 MST ON MAY 14	20.0 ON MAY 14	0.048B ON APR 18	49 600	1972
1973	26.8 AT 16:30 MST ON JUN 28	18.1 ON JUN 16	0.076B ON MAR 02	48 100	1973
1974	57.8 AT 00:30 MST ON JUL 13	43.0 ON JUL 13	0.170B ON MAR 15	50 100	1974
1975	52.7 AT 00:01 MST ON JUN 28	38.2 ON JUN 28	0.142B ON MAR 07	47 800	1975
1976	67.7 AT 01:30 MST ON AUG 27	44.2 ON AUG 27	0.060B ON MAR 05	67 100	1976
1977	34.5 AT 21:30 MST ON JUL 06	19.9 ON JUL 07	0.176B ON MAR 24	52 100	1977
1978	35.1 AT 17:00 MST ON SEP 17	27.7 ON SEP 17	0.144B ON MAR 08	51 900	1978
1979	71.5A AT 00:30 MST ON JUN 14	54.1 ON JUL 02	0.117B ON APR 02	55 300	1979
1980	12.8 AT 07:30 MST ON SEP 17	10.6 ON APR 25	0.023B ON MAR 04	35 500	1980
1981	13.0 AT 20:30 MST ON JUL 22	10.2 ON JUL 22	0.140B ON MAR 23	26 700	1981
1982	78.4 AT 07:00 MST ON JUL 15	39.6 ON JUL 15	0.084B ON MAR 08	54 500	1982
1983	63.9 AT 20:30 MST ON JUL 08	35.3 ON JUL 29	0.005B ON MAR 01 *	58 400	1983
1984	38.3 AT 18:45 MST ON JUN 07	31.9 ON JUN 07	0.130B ON MAR 01	49 700	1984
1985	35.3 AT 19:30 MST ON JUN 24	19.9 ON JUN 24	0.195B ON MAR 07	53 300	1985
1986	42.3 AT 11:15 MST ON JUL 18	36.2 ON JUL 18	0.046B ON MAR 18	57 300	1986
1987	21.6 AT 22:53 MST ON JUL 31	10.9 ON AUG 01	0.145B ON MAR 01	34 700	1987
1988	106 AT 18:30 MST ON JUL 06 *	51.5A ON JUL 06	0.032B ON MAR 04	49 400	1988
1989	34.4 AT 20:00 MST ON AUG 04	24.8 ON AUG 04	0.220B ON MAR 14	60 700	1989
1990	12.7 AT 06:00 MST ON JUN 13	11.2 ON JUN 13	0.166B ON MAR 25	29 200	1990
				50 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO. 05AE032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	11.9	6.51	3.59	2.48	1.96	---	---	---	1912
1913	---	---	---	---	9.06	19.5	8.95	5.43	3.19	2.76	2.03	1.58	---	1913
1914	---	---	---	3.77	10.4	10.2	---	---	---	---	---	---	---	1914
1915	---	---	---	---	8.88	9.80	6.34	4.33	3.55	3.36	2.24	---	---	1915
1916	---	---	1.53	2.35	7.93	21.5	14.7	5.85	5.77	4.70	1.72	1.28	---	1916
1917	---	---	---	0.934	9.80	17.3	11.4	4.08	2.67	2.30	1.58	1.99	---	1917
1918	5.01	1.26	1.43	4.50	12.9	16.8	5.77	4.62	2.43	2.45	1.30	0.895	4.96	1918
1919	1.20	1.00	0.930	3.58	12.2	9.82	4.77	3.03	1.64	1.01	1.19	1.23	3.48	1919
1920	1.21	1.01	0.818	---	---	16.3	11.6	4.30	4.36	2.98	---	---	---	1920
1921	1.07	---	---	---	---	18.2	8.07	3.56	1.70	2.16	---	---	---	1921
1922	---	---	---	---	9.63	14.7	6.29	3.43	1.99	0.918	---	---	---	1922
1923	---	---	---	---	11.2	14.6	7.57	3.54	1.83	1.91	---	---	---	1923
1924	---	---	---	1.32	11.4	12.5	6.96	3.70	1.53	1.24	---	---	---	1924
1925	---	---	---	---	16.3	16.8	8.85	4.22	2.73	1.70	---	---	---	1925
1926	---	---	---	---	6.24	5.47	4.11	2.56	4.09	4.59	---	---	---	1926
1927	---	---	---	---	7.63	20.6	10.9	4.69	6.45	4.82	---	---	---	1927
1928	---	---	---	---	18.6	13.4	10.4	3.43	1.95	5.81	---	---	---	1928
1929	---	---	---	---	9.18	11.7	5.45	2.69	1.25	1.23	---	---	---	1929
1930	---	---	---	---	9.80	10.7	5.80	2.67	1.74	1.27	---	---	---	1930
1931	---	---	---	---	12.8	9.44	4.09	2.68	2.31	1.20	---	---	---	1931
1932	---	---	---	---	13.2	14.4	6.15	2.97	1.36	1.59	---	---	---	1932
1933	---	---	---	---	9.38	23.2	9.94	3.63	2.46	5.50	---	---	---	1933
1934	---	---	---	9.62	17.3	11.7	5.23	2.68	1.21	1.27	---	---	---	1934
1935	---	---	---	---	10.1	13.4	7.47	2.93	1.95	---	---	---	---	1935
1936	---	---	---	---	15.5	11.2	4.26	2.17	1.18	0.744	---	---	---	1936
1937	---	---	---	---	11.0	17.0	6.13	2.45	1.33	1.78	---	---	---	1937
1938	---	---	---	4.54	13.0	14.5	6.77	2.39	1.60	1.52	---	---	---	1938
1939	---	---	---	---	12.6	8.04	5.95	2.62	1.46	0.915	---	---	---	1939
1940	---	---	0.608	2.77	10.7	8.45	3.81	1.98	2.52	1.67	---	---	---	1940
1941	---	---	0.652	3.62	8.47	7.55	4.12	1.87	3.84	3.50	---	---	---	1941
1942	---	---	0.612	4.04	8.49	11.6	7.59	3.09	2.26	1.26	---	---	---	1942
1943	---	---	0.434	5.11	8.65	14.6	10.2	3.10	1.69	1.47	---	---	---	1943
1944	---	---	0.405	1.97	8.26	7.24	3.22	2.72	2.20	1.69	---	---	---	1944
1945	---	---	0.521	0.979	11.9	13.6	6.56	2.37	2.82	2.48	3.22	---	---	1945
1946	---	---	0.913	4.15	13.1	12.9	7.78	2.88	5.11	5.78	---	---	---	1946
1947	---	---	---	3.47	13.0	12.9	7.71	3.29	2.73	6.88	---	---	---	1947
1948	---	---	0.374	2.12	12.1	17.6	5.58	3.19	1.36	1.00	---	---	---	1948
1949	---	---	0.492	5.24	12.3	9.57	4.67	2.43	3.01	1.92	3.30	---	---	1949
1950	---	---	---	1.20	8.46	19.0	13.0	4.70	2.08	6.73	---	---	---	1950
1951	---	---	---	2.82	12.9	12.4	11.1	3.88	5.14	5.38	---	---	---	1951
1952	---	---	---	---	9.88	9.95	6.04	3.40	1.60	0.758	---	---	---	1952
1953	---	---	---	---	10.6	18.7	11.5	4.22	1.92	0.929	---	---	---	1953
1954	---	---	---	1.38	12.6	15.6	14.3	5.58	4.06	4.26	2.67	---	---	1954
1955	---	---	---	---	5.80	16.7	10.2	3.48	1.65	5.39	---	---	---	1955
1956	---	---	---	---	12.2	14.7	8.23	3.66	2.13	3.38	---	---	---	1956
1957	---	---	0.751	1.62	15.7	12.4	4.76	2.23	1.27	1.60	---	---	---	1957
1958	---	---	0.713	1.99	14.9	11.1	4.62	2.70	2.94	3.05	2.21	1.50	---	1958
1959	1.83	0.965	0.586	3.38	8.66	17.4	9.19	3.76	6.64	5.66	1.94	1.23	5.12	1959
1960	0.487	0.518	0.966	2.94	7.47	15.2	7.27	3.03	1.91	1.14	1.14	0.711	3.57	1960
1961	0.568	1.07	0.883	2.56	12.2	16.9	5.38	2.59	1.76	3.33	2.15	0.661	4.10	1961
1962	0.485	0.746	0.399	4.31	8.93	11.6	4.92	3.08	1.85	3.26	2.27	1.88	3.69	1962
1963	0.738	1.72	0.746	1.97	9.73	15.6	7.70	2.59	1.81	1.34	1.35	0.847	3.84	1963
1964	0.606	0.468	0.373	0.892	8.71	21.8	8.15	3.17	3.35	4.24	1.48	0.833	4.50	1964
1965	0.671	0.771	0.640	2.67	9.09	16.4	7.82	3.53	2.38	2.56	1.92	1.03	4.13	1965
1966	0.743	0.452	0.690	2.84	10.8	12.5	7.04	2.99	2.03	---	---	---	---	1966
MEAN	1.22	0.907	0.716	2.99	11.0	14.0	7.46	3.33	2.51	2.62	1.95	1.21	4.15	MEAN

LOCATION - LAT 48 48 10 N LONG 113 39 20 W DRAINAGE AREA, 80.5 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO. 05AE032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	32.6 ON MAY 28	---	---	1913
1914	---	19.3 ON JUN 04	---	---	1914
1915	---	17.0 ON MAY 08	---	---	1915
1916	43.9 ON JUN 17	43.0 ON JUN 17	---	---	1916
1917	---	32.8 ON JUN 09	---	---	1917
1918	---	35.4 ON JUN 10	0.793 ON DEC 30	156 000	1918
1919	---	28.6 ON MAY 27	0.651 ON JAN 14	110 000	1919
1920	---	27.4 ON JUN 16	0.538 ON MAR 07	---	1920
1921	30.9 AT 08:00 MST ON MAY 26	30.3 ON MAY 26	---	---	1921
1922	23.9 AT 04:00 MST ON MAY 20	22.7 ON MAY 20	---	---	1922
1923	23.1 AT 00:00 MST ON JUN 01	21.8 ON JUN 11	---	---	1923
1924	21.8 ON MAY 16	21.8 ON MAY 16	---	---	1924
1925	29.7 AT 07:00 MST ON MAY 22	29.2 ON MAY 22	---	---	1925
1926	13.9 AT 01:00 MST ON MAY 05	13.2 ON MAY 05	---	---	1926
1927	31.1 ON JUN 08	30.0 ON JUN 08	---	---	1927
1928	31.7 AT 09:00 MST ON MAY 23	31.4 ON MAY 23	---	---	1928
1929	25.0 AT 09:00 MST ON MAY 24	24.1 ON MAY 24	---	---	1929
1930	25.7A ON MAY 20	25.1A ON MAY 20	---	---	1930
1931	31.4 AT 01:30 MST ON MAY 17	29.4 ON MAY 16	---	---	1931
1932	38.5 AT 11:00 MST ON MAY 22	35.4 ON MAY 22	---	---	1932
1933	38.5 AT 06:00 MST ON JUN 17	36.8 ON JUN 16	---	---	1933
1934	36.2 AT 21:00 MST ON JUN 07	28.6 ON JUN 08	---	---	1934
1935	30.3 AT 21:00 MST ON MAY 23	28.9 ON MAY 23	---	---	1935
1936	29.4 AT 21:00 MST ON MAY 16	26.7 ON MAY 15	---	---	1936
1937	63.7 AT 15:30 MST ON JUN 13	50.4 ON JUN 13	---	---	1937
1938	32.0 AT 06:00 MST ON MAY 27	30.0 ON MAY 26	---	---	1938
1939	30.0 AT 03:00 MST ON MAY 30	26.2 ON MAY 30	---	---	1939
1940	19.7 AT 02:30 MST ON MAY 12	18.2 ON MAY 12	---	---	1940
1941	14.2 AT 10:00 MST ON MAY 18	13.6 ON MAY 18	---	---	1941
1942	29.4 AT 07:30 MST ON JUN 06	28.1 ON JUN 06	---	---	1942
1943	46.2 AT 08:00 MST ON JUN 18	41.9 ON JUN 18	---	---	1943
1944	14.3 AT 00:00 MST ON MAY 17	14.1 ON MAY 17	---	---	1944
1945	23.9 AT 10:15 MST ON JUN 22	23.0 ON JUN 01	---	---	1945
1946	22.6 AT 04:30 MST ON MAY 29	21.9 ON MAY 29	---	---	1946
1947	---	25.0 ON OCT 19	---	---	1947
1948	35.4 AT 10:00 MST ON JUN 04	33.7 ON JUN 04	---	---	1948
1949	21.5 AT 05:00 MST ON MAY 28	20.3 ON MAY 28	---	---	1949
1950	34.3 AT 16:00 MST ON JUN 22	33.4 ON JUN 22	---	---	1950
1951	28.6 AT 01:00 MST ON JUN 16	27.1 ON JUN 15	---	---	1951
1952	23.0 AT 06:00 MST ON OCT 02	14.9 ON MAY 20	---	---	1952
1953	37.4 AT 14:00 MST ON JUN 13	35.4 ON JUN 13	---	---	1953
1954	36.2 AT 07:00 MST ON MAY 20	32.8 ON MAY 20	---	---	1954
1955	27.0 AT 12:00 MST ON JUN 25	25.5 ON JUN 25	---	---	1955
1956	31.1 AT 06:00 MST ON MAY 21	30.0 ON MAY 21	---	---	1956
1957	23.2 AT 07:00 MST ON MAY 08	22.1 ON MAY 08	---	---	1957
1958	23.6 AT 05:30 MST ON MAY 10	22.5 ON MAY 10	---	---	1958
1959	28.6 AT 03:00 MST ON JUN 06	26.8 ON JUN 06	0.510B ON MAR 12	161 000	1959
1960	27.4 AT 02:30 MST ON JUN 17	24.4 ON JUN 03	0.340E ON FEB 29	113 000	1960
1961	28.6 AT 14:00 MST ON MAY 27	27.9 ON MAY 27	0.382 ON JAN 14	129 000	1961
1962	17.1 AT 05:00 MST ON JUN 10	16.4 ON JUN 10	0.340B ON JAN 22	116 000	1962
1963	23.4 AT 19:00 MST ON JUN 10	21.5 ON JUN 10	0.396B ON JAN 31	121 000	1963
1964	190 AT 16:00 MST ON JUN 08 *	117 ON JUN 08 *	0.246 ON MAR 02 *	142 000	1964
1965	39.4 AT 06:00 MST ON JUN 19	37.9 ON JUN 19	0.425B ON MAR 25	130 000	1965
1966	23.4 AT 08:00 MST ON JUN 11	22.5 ON JUN 11	---	---	1966
				131 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	10.6	4.95	3.41	2.65	2.61	---	---	1912
1913	---	---	---	---	14.6	30.4	12.7	7.76	3.29	3.77	2.59	1.75	---	1913
1914	---	---	---	---	17.0	14.9	9.46	4.57	3.56	---	---	---	---	1914
1915	---	---	---	---	11.4	13.4	8.94	5.75	4.90	4.95	3.61	---	---	1915
1916	---	---	3.39	4.03	10.2	28.9	19.4	7.29	5.95	1.42	2.42	0.890	10.0	1916
1917	0.557	0.607	0.476	1.39	14.4	24.4	13.9	4.38	2.92	2.72	2.72	---	8.06	1917
1918	---	---	---	---	---	20.5	6.92	4.84	2.99	2.85	1.73	1.19	---	1918
1919	0.807	0.701	0.436	4.45	14.6	2.05	8.87	11.6	3.96	1.12	1.17	1.38	5.92	1919
1920	1.14	0.928	0.632	1.95	13.9	19.9	---	10.8	6.25	5.29	2.81	2.39	---	1920
1921	1.11	1.88	2.08	5.31	17.8	18.1	5.22	4.74	3.82	16.3	1.03	4.17	9.16	1921
1922	1.10	0.689	0.585	1.67	11.5	19.0	4.51	11.0	6.57	2.38	1.61	1.18	7.13	1922
1923	1.28	0.880	0.712	3.80	15.4	7.68	2.00	11.1	16.7	2.89	---	---	7.51	1923
1924	---	---	---	---	7.61	3.14	20.3	12.5	3.95	---	---	---	---	1924
1925	---	---	---	---	12.2	21.3	8.81	15.2	13.0	10.6	---	---	---	1925
1926	---	---	---	---	7.62	9.45	10.3	3.12	3.28	0.311	---	---	---	1926
1927	---	---	---	2.59	16.1	22.4	13.9	12.2	9.15	8.12	---	---	---	1927
1928	---	---	---	---	24.6	11.0	14.7	10.5	2.72	10.4	---	---	---	1928
1929	---	---	---	---	9.75	13.1	8.52	13.1	7.28	2.44	---	---	---	1929
1930	---	---	---	---	4.23	15.2	10.6	13.7	5.24	1.15	---	---	---	1930
1931	---	---	---	---	7.74	6.85	15.8	15.9	3.95	3.08	---	---	---	1931
1932	---	---	---	---	5.66	10.3	12.3	16.7	7.67	3.87	---	---	---	1932
1933	---	---	---	---	23.0	12.6	10.6	17.9	9.08	4.23	---	---	---	1933
1934	---	---	---	---	18.1	16.7	16.2	18.2	2.78	1.52	---	---	---	1934
1935	---	---	---	---	9.20	5.55	14.6	18.9	7.69	0.849	---	---	---	1935
1936	---	---	---	---	3.68	13.2	21.5	13.1	1.67	1.14	---	---	---	1936
1937	---	---	---	---	6.85	6.79	14.6	21.4	4.95	1.65	---	---	---	1937
1938	---	---	---	---	8.97	13.2	13.3	20.9	6.95	2.45	---	---	---	1938
1939	---	---	---	---	3.06	9.48	17.2	13.5	0.292	0.763	---	---	---	1939
1940	---	---	---	0.538	5.00	8.59	19.5	8.25	0.209	0.111	---	---	---	1940
1941	---	---	---	3.37	6.00	3.94	17.8	6.70	3.73	0.003	---	---	---	1941
1942	---	---	---	5.77	5.35	15.7	12.9	15.3	13.4	4.94	---	---	---	1942
1943	---	---	---	0.029	8.14	22.3	9.64	16.4	16.2	1.44	---	---	---	1943
1944	---	---	---	5.18	8.46	2.18	11.4	8.60	1.00	0.006	---	---	---	1944
1945	---	---	---	3.75	6.80	12.3	11.9	16.4	12.3	2.28	---	---	---	1945
1946	---	---	---	14.1	7.75	6.05	11.5	16.1	14.2	0.353	---	---	---	1946
1947	---	---	---	6.68	11.0	11.1	9.49	16.0	13.4	0.771	---	---	---	1947
1948	---	---	---	---	14.2	23.3	7.43	14.3	14.8	1.24	---	---	---	1948
1949	---	---	---	---	5.87	7.42	13.2	15.4	7.78	---	---	---	---	1949
1950	---	---	---	4.28	17.0	24.5	9.04	12.9	14.1	13.5	---	---	---	1950
1951	---	---	---	---	19.1	14.4	12.0	14.3	19.5	12.4	---	---	---	1951
1952	---	---	---	---	6.25	8.67	11.2	14.0	14.9	1.74	---	---	---	1952
1953	---	---	---	2.12	15.3	19.0	12.5	15.1	15.9	1.87	---	---	---	1953
1954	---	---	0	6.09	18.5	9.61	13.4	14.7	18.5	11.7	---	---	11.6	1954
1955	---	---	---	---	1.32	19.2	9.15	16.2	16.5	6.55	---	---	---	1955
1956	---	---	---	2.79	21.0	10.7	3.81	14.7	15.8	8.50	---	---	---	1956
1957	---	---	---	4.46	10.2	13.0	10.8	16.3	7.57	0.002	---	---	---	1957
1958	---	---	---	1.77	6.09	13.9	13.5	17.7	7.86	0.002	---	---	---	1958
1959	---	---	1.01	9.45	19.3	12.5	5.21	17.0	20.7	11.0	---	---	12.0	1959
1960	---	---	---	1.49	10.3	8.10	10.7	19.2	11.3	0.003	---	---	---	1960
1961	---	---	0.212	13.1	5.75	6.45	13.6	18.9	10.7	3.02	---	---	8.91	1961
1962	---	---	0.007	14.9	10.6	1.93	13.8	14.7	1.79	0.006	---	---	6.99	1962
1963	---	---	0.400	18.2	10.8	0.508	14.4	19.2	11.5	0.478	---	---	9.05	1963
1964	---	---	---	9.11	8.31	17.1	7.82	15.7	14.4	7.87	---	---	---	1964
1965	---	---	---	0.085	12.2	16.0	6.33	17.0	15.5	6.59	---	---	---	1965
1966	---	---	0.100	0.109	13.4	5.30	11.1	19.0	13.5	1.04	---	---	7.93	1966
1967	---	---	0.011	0.015	24.9	8.62	5.26	17.1	15.2	---	---	---	---	1967
1968	---	---	0.009	13.5	10.6	0.748	11.7	19.1	19.5	0.231	---	---	9.38	1968
1969	---	---	0.002	1.37	6.96	15.1	14.2	19.4	9.28	1.52	---	---	8.48	1969
1970	---	---	0.003	7.95	1.18	17.9	12.8	19.8	8.06	0.006	---	---	8.43	1970
1971	---	---	0.009	0.029	17.0	16.0	10.1	14.5	21.8	2.99	---	---	10.3	1971
1972	---	---	0.028	0.027	29.3	5.20	12.9	14.6	19.8	6.99	---	---	11.1	1972
1973	---	---	0.050	1.85	7.35	7.44	16.4	16.4	0.009	0.456	---	---	6.28	1973
1974	---	---	1.09	14.6	9.36	13.0	15.4	18.3	16.4	0	---	---	11.0	1974
1975	---	---	0.020	0.197	0.967	27.6	15.7	16.1	22.4	3.68	---	---	10.8	1975
1976	---	---	0.014	1.93	14.9	8.79	10.8	17.5	20.6	2.68	---	---	9.63	1976
1977	---	---	0.002	1.68	12.6	13.1	5.07	4.48	3.15	0.016	---	---	5.00	1977
1978	---	---	0.007	0.579	14.2	12.0	15.1	16.8	17.2	5.86	---	---	9.97	1978
1979	---	---	0.085	0.149	13.1	3.87	13.3	16.9	5.07	0.001	---	---	6.61	1979
1980	---	---	3.64	6.25	5.24	3.02	16.2	18.6	9.01	0.191	---	---	7.79	1980
1981	---	---	11.5	9.72	2.58	4.35	13.4	17.0	16.4	0.131	---	---	9.37	1981
1984	---	---	10.7	5.59	7.46	6.13	11.7	11.2	0.801	0.003	---	---	6.73	1984
1985	---	---	2.77	16.9	8.76	1.90	13.5	18.0	9.27	0.054	---	---	8.88	1985
1986	---	---	0.105	7.54	11.0	10.7	15.1	16.5	1.22	1.08	---	---	7.91	1986
1987	---	---	9.74	4.74	0.310	10.2	8.84	15.6	6.67	0.955	---	---	7.13	1987
1988	---	---	7.83	16.7	10.2	7.59	14.0	2.16	0.017	0.213	---	---	7.32	1988
1989	---	---	5.27	13.7	9.48	1.24	7.99	14.8	14.8	12.0	---	---	9.91	1989
1990	---	---	0.733	5.24	8.98	10.6	11.0	14.0	15.7	4.85	---	---	8.87	1990
MEAN	0.999	0.948	1.82	5.40	10.9	12.0	11.8	14.0	9.52	3.26	2.23	1.85	8.64	MEAN

LOCATION - LAT 48 49 49 N DRAINAGE AREA, 168 km² INTERNATIONAL GAUGING STATION
LONG 113 30 59 W REGULATED

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	52.4 ON MAY 28 30.9 ON JUN 04	---	---	1914
1915	---	23.1 ON JUN 26	---	---	1915
1916	---	63.7 ON JUN 17	0.113 ON APR 25	213 000	1916
1917	---	30.3 ON JUN 10	0.170 ON MAY 04	171 000	1917
1918	---	32.3 ON MAY 05	---	---	1918
1919	---	26.9 ON MAY 29	0 E ON MAR 03 *	125 000	1919
1920	---	42.2 ON AUG 03	0 ON JUN 29	---	1920
1921	34.0 AT 15:30 MST ON MAY 28	32.6 ON MAY 29	0.014 ON JUN 29	194 000	1921
1922	35.1 AT 07:00 MST ON JUN 07	33.1 ON JUN 07	0.003 ON JUN 26	151 000	1922
1923	24.5 AT 10:00 MST ON JUN 11	23.7 ON JUN 10	0 A ON JUN 21	159 000	1923
1924	24.3A ON JUL 19	24.3A ON JUL 19	---	---	1924
1925	37.7 AT 14:00 MST ON JUN 18	30.6 ON JUN 23	---	---	1925
1926	31.7 AT 18:00 MST ON OCT 10	13.6 ON JUL 19	---	---	1926
1927	47.3 AT 21:00 MST ON JUN 08	47.0 ON JUN 09	---	---	1927
1928	51.8 ON MAY 11	46.7 ON MAY 10	---	---	1928
1929	38.5 AT 15:30 MST ON OCT 14	32.8 ON MAY 25	---	---	1929
1930	26.5 ON JUN 12	26.2 ON JUN 13	---	---	1930
1931	18.2 AT 00:30 MST ON JUL 24	17.9 ON JUL 24	---	---	1931
1932	34.5 AT 20:30 MST ON MAY 31	22.6 ON JUN 17	---	---	1932
1933	32.6 AT 24:00 MST ON JUN 02	32.3 ON JUN 02	---	---	1933
1934	50.1 AT 22:00 MST ON JUN 07	37.1 ON JUN 08	---	---	1934
1935	21.8 AT 19:30 MST ON AUG 20	21.5 ON AUG 21	---	---	1935
1936	24.5 AT 19:45 MST ON AUG 13	23.4 ON AUG 14	---	---	1936
1937	31.7 AT 15:00 MST ON JUN 15	24.0 ON AUG 01	---	---	1937
1938	---	27.0A ON MAY 29	---	---	1938
1939	28.3 AT 14:30 MST ON JUL 17	24.1 ON AUG 06	---	---	1939
1940	21.5 AT 09:30 MST ON JUL 26	21.1 ON JUL 14	---	---	1940
1941	22.5 AT 17:00 MST ON JUL 09	21.7 ON JUL 10	---	---	1941
1942	43.3 AT 20:00 MST ON JUN 05	42.5 ON JUN 06	---	---	1942
1943	54.7 AT 22:00 MST ON JUN 21	52.7 ON JUN 22	---	---	1943
1944	18.6 AT 19:30 MST ON AUG 06	18.0 ON AUG 05	---	---	1944
1945	25.8 AT 15:15 MST ON JUN 04	25.3 ON JUN 05	0 A ON APR 01	---	1945
1946	19.5 AT 09:00 MST ON SEP 03	19.2 ON SEP 03	---	---	1946
1947	21.1 AT 19:00 MST ON MAY 14	21.0 ON MAY 14	---	---	1947
1948	38.5 AT 09:45 MST ON JUN 17	38.2 ON JUN 18	---	---	1948
1949	17.6 AT 23:00 MST ON AUG 04	17.5 ON JUL 24	---	---	1949
1950	30.9 ON JUN 24	30.6 ON JUN 25	---	---	1950
1951	40.2 AT 17:30 MST ON JUN 16	39.6 ON JUN 17	---	---	1951
1952	31.1 AT 00:01 MST ON OCT 01	19.2 ON JUN 09	---	---	1952
1953	36.0 AT 18:00 MST ON JUN 14	35.7 ON JUN 14	0.020 ON OCT 27	---	1953
1954	54.4 AT 13:00 MST ON SEP 15	31.1 ON MAY 23	0 B ON MAR 01	245 000	1954
1955	33.4 AT 22:30 MST ON JUN 24	33.4 ON JUN 25	---	---	1955
1956	46.2 AT 19:00 MST ON MAY 22	44.2 ON MAY 23	---	---	1956
1957	22.8 AT 14:00 MST ON JUN 09	22.7 ON JUN 09	0 E ON SEP 28	---	1957
1958	30.3 AT 23:00 MST ON JUN 19	26.8 ON JUN 11	0 ON OCT 17	---	1958
1959	33.7 AT 09:00 MST ON SEP 30	30.0 ON OCT 01	0.003B ON MAR 01	254 000	1959
1960	61.7 AT 13:20 MST ON JUL 28	25.1 ON JUL 28	0 ON OCT 21	---	1960
1961	33.7 AT 11:30 MST ON JUN 30	24.7 ON JUN 30	0 B ON MAR 01	189 000	1961
1962	19.5 AT 15:00 MST ON APR 09	19.1 ON APR 10	0 ON OCT 21	148 000	1962
1963	25.6 AT 15:30 MST ON APR 05	21.8 ON APR 09	0.006E ON MAR 01	192 000	1963
1964	66.8 AT 16:30 MST ON JUN 11	66.3 ON JUN 12 *	---	---	1964
1965	44.2 AT 09:00 MST ON MAY 16	37.4 ON MAY 16	---	---	1965
1966	27.2 AT 11:00 MST ON APR 25	22.9 ON JUN 04	0.008 ON OCT 31	168 000	1966
1967	47.9 AT 10:45 MST ON MAY 10	47.0 ON MAY 11	---	---	1967
1968	30.3 AT 14:15 MDT ON SEP 19	28.1 ON SEP 20	0.005 ON OCT 27	199 000	1968
1969	68.5 AT 20:30 MDT ON JUN 25 *	44.5 ON JUN 26	0 ON OCT 18	180 000	1969
1970	67.1 AT 11:00 MDT ON JUL 08	62.6 ON JUN 10	0.003B ON MAR 01	178 000	1970
1971	62.0 AT 07:15 MST ON MAY 14	59.5 ON MAY 29	0.003 ON OCT 29	218 000	1971
1972	57.5 AT 09:45 MST ON MAY 18	54.4 ON MAY 20	0.006E ON MAR 01	236 000	1972
1973	22.5 AT 08:30 MST ON AUG 06	21.8 ON AUG 07	0 ON SEP 28	133 000	1973
1974	48.7 AT 17:30 MST ON JUN 17	47.0 ON JUN 18	0 ON SEP 28	232 000	1974
1975	64.6 AT 15:30 MST ON JUN 21	64.3 ON JUN 21	0 ON OCT 02	228 000	1975
1976	---	26.5 ON MAY 12	0.003 ON OCT 28	204 000	1976
1977	18.9 AT 10:00 MST ON JUN 27	18.0 ON MAY 25	0 ON SEP 20	106 000	1977
1978	28.1 AT 07:30 MST ON JUN 09	27.9 ON JUN 09	0.001 ON MAR 06	211 000	1978
1979	53.4 AT 22:30 MDT ON MAY 27	39.9 ON MAY 27	0.001 ON SEP 20	140 000	1979
1980	19.9 AT 09:45 MDT ON AUG 15	19.5 ON AUG 16	0 ON OCT 07	165 000	1980
1981	65.1 AT 12:00 MDT ON JUL 15	21.8 ON JUL 29	0 ON OCT 03	198 000	1981
1984	20.8 AT 10:00 MST ON JUL 25	20.6 ON JUL 26	0.002 ON OCT 14	142 000	1984
1985	30.9 AT 08:00 MST ON OCT 08	25.2 ON JUL 15	0.003 ON OCT 02	188 000	1985
1986	42.2 AT 22:30 MST ON MAY 29	37.9 ON MAY 30	0.003 ON SEP 05	167 000	1986
1987	20.9 AT 09:50 MST ON SEP 01	20.5 ON AUG 26	0.001 ON OCT 27	151 000	1987
1988	24.1 AT 15:00 MST ON APR 11	23.4 ON APR 12	0.002 ON OCT 24	155 000	1988
1989	20.1 AT 07:30 MST ON APR 15	19.5 ON AUG 10	0.006 ON MAR 19	210 000	1989
1990	63.7 AT 16:00 MDT ON JUL 13	24.1 ON JUN 26	0.013 ON OCT 20	188 000	1990
				183 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.077	0.243	0.232	0.138	0.104	0.011	0	---	---	---	1921
1922	---	---	---	0.022	0.013	0.027	0.008	0.029	0.021	0	---	---	---	1922
MEAN	---	---	---	0.050	0.128	0.130	0.073	0.067	0.016	0	---	---	---	MEAN

LOCATION - LAT 52 19 00 N
LONG 114 04 00 W
DRAINAGE AREA, 153 km^2
NATURAL FLOW

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921					1921
1922	---	0.311 ON MAY 26 *	0 ON APR 01 *	---	1922
		0.071 ON APR 20	0 ON APR 01	---	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0	0.302	3.64	4.57	1.10	1.75	3.95	0.279	---	1.96	1921
1922	---	---	---	0	0	2.60	3.34	1.19	0.781	2.52	0.694	---	1.40	1922
1923	---	---	---	0	0.542	0.990	1.21	0.614	1.01	2.05	0.166	---	0.828	1923
1924	---	---	---	0	1.41	2.39	3.94	1.53	2.28	3.81	0.262	---	1.97	1924
1925	---	---	---	0	0.483	3.55	3.60	1.71	0.859	0.374	0.121	---	1.14	1925
1926	---	---	---	0	1.55	3.43	4.11	1.58	0.514	0.975	0.687	---	1.61	1926
1927	---	---	---	0	0	0.174	0.835	0.990	0.476	0.402	0.076	---	0.367	1927
1928	---	---	---	0	0.937	1.26	0.276	1.21	0.869	1.23	1.03	---	0.851	1928
1929	---	---	---	0	0.244	0.841	3.16	3.26	1.02	2.51	0.640	---	1.47	1929
1930	---	---	---	0	0.999	4.85	4.51	2.98	1.16	0.714	0.535	---	1.97	1930
1931	---	---	---	---	---	---	---	3.03	1.05	---	---	---	---	1931
1932	---	---	---	0	0.501	1.57	4.88	2.47	0.482	0.692	0.317	---	1.18	1932
1933	---	---	---	0	0.096	3.40	4.17	3.26	0.819	0.691	0	---	1.56	1933
1934	---	---	---	0	3.56	0.805	4.03	3.45	1.21	0.524	0	---	1.72	1934
1935	---	---	---	0	0.078	2.86	4.41	3.11	2.19	0.851	0	---	1.69	1935
1936	---	---	---	0	0.182	1.22	5.54	2.77	0.970	0.001	0	---	1.59	1936
1937	---	---	---	0	1.16	3.62	5.09	2.93	3.60	0.670	0	---	2.14	1937
1938	---	---	---	0	0.325	4.11	3.82	2.85	2.88	1.53	0	---	1.94	1938
1939	---	---	---	0	3.13	1.63	3.43	4.09	3.32	0.476	0	---	2.02	1939
1940	---	---	---	0	0.381	4.12	4.47	3.57	2.67	0.854	0	---	2.01	1940
1941	---	---	---	0	1.51	1.99	3.98	3.53	1.48	0.602	0	---	1.65	1941
1942	---	---	---	0	0.348	1.10	3.50	2.82	1.08	0.887	0.217	---	1.25	1942
1943	---	---	---	0	0.279	4.19	5.58	4.74	3.57	1.87	0.065	---	2.55	1943
1944	---	---	---	0.026	1.96	3.31	4.03	3.64	4.11	1.55	0.026	---	2.34	1944
1945	---	---	---	0	0.114	2.57	5.14	5.10	2.36	0.504	0	---	1.99	1945
1946	---	---	---	0	3.23	2.54	4.71	4.73	2.10	0.882	0.565	---	2.36	1946
1947	---	---	---	0	0	1.21	5.16	2.39	1.58	0.789	0.062	---	1.41	1947
1948	---	---	---	0	0	0.847	4.16	4.23	3.71	1.80	0.106	---	1.87	1948
1949	---	---	---	0.345	2.54	2.97	5.39	4.66	3.60	1.59	0	---	2.65	1949
1950	---	---	---	0	0.648	4.93	5.29	5.30	5.11	2.22	0.255	---	2.98	1950
1951	---	---	---	0	0.391	1.36	0.981	4.19	0.735	0.865	0	---	1.07	1951
MEAN	---	---	---	0.012	0.897	2.54	3.91	3.00	1.91	1.28	0.203	---	1.73	MEAN

LOCATION - LAT 49 46 45 N
LONG 112 27 20 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	5.21 ON JUL 02	0 ON APR 01 *	41 300	1921
1922	---	4.81 ON JUN 25	0 ON APR 01	29 400	1922
1923	---	2.94 ON OCT 24	0 ON APR 01	17 400	1923
1924	---	4.53 ON OCT 30	0 ON APR 01	41 400	1924
1925	---	4.70 ON JUN 08	0 ON APR 01	28 300	1925
1926	---	4.59 ON JUN 15	0 ON APR 01	34 000	1926
1927	---	1.44 ON AUG 01	0 ON APR 01	7 740	1927
1928	---	3.74 ON NOV 13	0 ON APR 01	17 900	1928
1929	---	5.47 ON JUL 23	0 ON APR 01	31 100	1929
1930	---	5.75 ON JUL 16	0 ON APR 01	41 600	1930
1931	---	---	---	---	1931
1932	---	5.55 ON JUL 24	0 ON APR 01	29 000	1932
1933	---	5.38 ON JUL 27	0 ON APR 01	32 900	1933
1934	---	5.38 ON MAY 28	0 ON APR 01	36 200	1934
1935	---	5.13 ON JUL 15	0 ON APR 01	35 700	1935
1936	---	6.00 ON JUL 10	0 ON APR 01	33 600	1936
1937	---	6.31 ON JUL 12	0 ON APR 01	45 100	1937
1938	---	6.00 ON JUN 19	0 ON APR 01	40 900	1938
1939	---	5.49 ON MAY 21	0 ON APR 01	42 600	1939
1940	---	6.00 ON JUN 23	0 ON APR 01	42 400	1940
1941	---	6.14A ON JUL 25	0 ON APR 01	34 900	1941
1942	---	5.21 ON JUL 11	0 ON APR 01	26 500	1942
1943	---	5.98 ON JUL 29	0 ON APR 01	53 700	1943
1944	---	5.75 ON AUG 01	0 ON APR 01	49 300	1944
1945	---	6.09 ON AUG 01	0 ON APR 01	41 900	1945
1946	---	6.31 ON JUL 31	0 ON APR 01	49 800	1946
1947	---	6.17 ON JUL 31	0 ON APR 01	29 800	1947
1948	---	6.43 ON JUL 12	0 ON APR 01	39 400	1948
1949	---	5.83 ON AUG 05	0 ON APR 01	55 900	1949
1950	---	6.65 ON JUN 21 *	0 ON APR 01	62 700	1950
1951	---	5.80 ON AUG 09	0 ON APR 01	22 600	1951
				36 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TABER IRRIGATION DISTRICT CANAL NEAR CRANFORD - STATION NO. 05AG012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.250	0.721	1.23	1.40	0.861	---	---	---	1966
1967	---	---	---	---	0.239	0.077	0.755	1.28	1.04	0.720	---	---	---	1967
1968	---	---	---	---	0.141	0.775	0.588	0.573	0.557	0.270	---	---	---	1968
MEAN	---	---	---	---	0.190	0.349	0.688	1.03	0.999	0.617	---	---	---	MEAN

LOCATION - LAT 49 44 45 N
LONG 112 21 15 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CRANFORD - STATION NO. 05AG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	1.69 ON JUL 25	---	---	1966
1967	---	1.76 ON AUG 06 *	---	---	1967
1968	---	1.19 ON JUN 30	---	---	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TAR RIVER NEAR FORT MACKAY - STATION NO. 07DA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.49	0.854	0.413	0.090	---	1975
1976	0.018	0	0.010	4.21	0.936	0.606	0.712	---	---	---	---	0.006	---	1976
1977	0.002	0	0	0.773	0.691	0.825	1.40	0.628	0.529	0.664	0.147	0.049	0.496	1977
MEAN	0.010	0	0.005	2.49	0.919	0.716	1.06	0.628	1.01	0.759	0.280	0.048	0.496	MEAN

LOCATION - LAT 57 21 14 N DRAINAGE AREA, 301 km^2
LONG 111 45 29 W NATURAL FLOW

TAR RIVER NEAR FORT MACKAY - STATION NO. 07DA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	2.97 AT 12:53 MST ON JUL 05 *	14.5 A ON APR 09 *	OB ON FEB 01 *	15 600	1977
		2.78 ON JUL 05	OB ON JAN 30		
				15 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO. 07DA019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	---	0.410	0.158	0.012	---	1976
1977	0	0	0	0.499	0.676	0.512	0.828	0.436	0.402	0.436	0.120	0.028	0.330	1977
MEAN	0	0	0	0.499	0.676	0.512	0.828	0.436	0.402	0.423	0.139	0.020	0.330	MEAN

LOCATION - LAT 57 29 05 N DRAINAGE AREA, 103 km^2
LONG 112 01 10 W NATURAL FLOW

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO. 07DA019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.81 AT 14:15 MST ON JUL 04 *	1.76 ON JUL 04 *	OB ON DEC 29 *	10 400	1977
			OB ON JAN 01		
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 400	MEAN

TEEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0.314	0.409	0.052	0.002	0.001	0	0	---	---	0.097	1981
1982	---	---	0	0.186	0.027	0	0	0	0	0	---	---	0.026	1982
1983	---	---	0	0.565	0.026	0.022	0	0	0	0	---	---	0.076	1983
1984	---	---	0.002	0.011	0.005	0.059	0.418	0.002	0.079	0.026	---	---	0.076	1984
1985	---	---	0.036	1.03	0.730	0.036	0.001	0.005	0.001	0.004	---	---	0.228	1985
1986	---	---	0.004	0.352	0.074	0.653	0.221	0.057	0	0.001	---	---	0.168	1986
1987	---	---	0	2.00	0.400	0.217	0.041	0.475	0.043	0.093	---	---	0.405	1987
1988	---	---	0	1.45	0.710	0.626	0.907	0.124	0.001	0.003	---	---	0.475	1988
1989	---	---	0	0.824	1.12	0.497	0.087	0.020	0	0	---	---	0.317	1989
1990	---	---	0	0.973	0.501	0.076	0.005	0	0	0	---	---	0.193	1990
MEAN	---	---	0.004	0.771	0.400	0.224	0.168	0.068	0.012	0.013	---	---	0.206	MEAN

LOCATION - LAT 58 08 16 N LONG 116 14 55 W DRAINAGE AREA, 136 km² NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1984 PUBLISHED AS TEPEE CREEK NEAR LA CRETE.

TEEPEE CREEK NEAR LA CRETE - STATION NO. 07JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	1.63 AT 10:00 MST ON APR 30	1.58 ON APR 30	0B ON MAR 01 *	2 050	1981
1982	2.26A AT 19:00 MST ON APR 22	1.53 B ON APR 22	0B ON MAR 01	554	1982
1983	6.82 AT 22:00 MST ON APR 19	5.03 A ON APR 19	0B ON MAR 01	1 590	1983
1984	1.00 AT 14:00 MST ON JUL 07	0.979 ON JUL 07	0B ON MAR 01	1 600	1984
1985	4.94B AT 18:30 MST ON APR 02	2.21 B ON APR 02	0B ON MAR 01	4 840	1985
1986	3.31 AT 07:30 MST ON JUN 25	3.25 ON JUN 25	0B ON MAR 01	3 560	1986
1987	23.4 AT 00:30 MST ON APR 16 *	20.8 ON APR 16 *	0B ON MAR 01	8 560	1987
1988	8.22B AT 23:30 MST ON APR 17	7.23 B ON APR 17	0B ON MAR 01	10 100	1988
1989	3.30B AT 14:30 MST ON APR 13	2.95 B ON APR 14	0B ON MAR 01	6 710	1989
1990	9.72 AT 22:00 MST ON APR 19	6.53 ON APR 19	0B ON MAR 01	4 080	1990
				4 360	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THELMA CREEK AT ENGLISH'S RANCH - STATION NO. 11AB063

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.790	0.317	0.030	0	0	0	0.001	---	---	---	1912
1913	---	---	---	0.882	0.141	0.014	0.015	0	0	0	---	---	---	1913
1914	---	---	---	0.390	0.065	0.022	0	0	0	0.087	---	---	---	1914
1915	---	---	---	0.165	0.041	0.113	0.045	0.001	0	0.009	---	---	---	1915
1916	---	---	0.887	0.408	0.737	1.18	0.330	0.084	0.059	0.072	---	---	---	1916
1917	---	---	---	---	---	0.063	0	0	0	0	---	---	---	1917
1918	---	---	---	1.79	0.133	0.004	---	0	0	0	---	---	---	1918
1919	---	---	---	0.183	0.028	0.002	---	0	0	0	---	---	---	1919
1920	---	---	---	---	---	0.314	0.008	0.001	0	0	---	---	---	1920
1921	---	---	0.127	0.574	0.369	0.020	0.030	0	0	0	---	---	---	1921
1922	---	---	0.011	1.07	0.553	0.046	0	0	0	0	---	---	---	1922
MEAN	---	---	0.342	0.695	0.273	0.137	0.047	0.008	0.005	0.015	---	---	---	MEAN

LOCATION - LAT 49 32 00 N LONG 110 19 00 W DRAINAGE AREA, 33.2 km² NATURAL FLOW

THELMA CREEK AT ENGLISH'S RANCH - STATION NO. 11AB063

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	---	0 ON JUL 12 *	---	1913
1914	---	3.23 ON APR 16	0 ON APR 01	---	1914
		---	0 ON JUL 01	---	
1915	---	---	---	---	1915
1916	---	---	0 ON MAY 06	---	1916
1917	---	---	---	---	1917
1918	---	---	0 ON JUN 28	---	1918
1919	---	---	0 ON MAY 20	---	1919
		---	0 ON JUN 19	---	
1920	---	---	---	---	1920
1921	---	---	0 ON JUN 09	---	1921
1922	---	---	0B ON MAR 20	---	1922
		6.51B ON APR 22 *	0 ON JUL 03	---	
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO. 07DB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.197	0.359	---	---	1.17	0.281	0.023	---	1976
1977	0.011	0.011	0.006	0.311	0.439	0.788	0.569	0.325	0.221	0.407	0.147	0.019	0.272	1977
MEAN	0.011	0.011	0.006	0.311	0.439	0.493	0.464	0.325	0.221	0.789	0.214	0.021	0.272	MEAN

LOCATION - LAT 56 53 55 N LONG 112 10 15 W DRAINAGE AREA, 176 km² NATURAL FLOW

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO. 07DB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	6.29 ON SEP *	---	---	---	1976
1977	1.21 AT 12:36 MST ON JUN 18	1.17 ON JUN 18 *	0B ON MAR 21 *	8 590	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 590	MEAN

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	4.14	0.151	0.051	0.011	0	0	0	---	---	0.534	1971
1972	---	---	0.014	0.919	0.171	0.140	0.029	0.002	0.011	0.010	---	---	0.160	1972
1973	---	---	0.669	0.949	0.118	0.124	0.080	0.037	0.004	0.003	---	---	0.247	1973
1974	---	---	0	3.58	0.822	0.061	0.033	0.001	0.001	0.030	---	---	0.559	1974
1975	---	---	0	1.20	0.535	0.039	0.004	0	0	0	---	---	0.219	1975
1976	---	---	0.001	0.360	0.007	0.021	0.016	0.052	0	0	---	---	0.056	1976
1977	---	---	0	0.198	0.154	0.018	0	0	0	0	---	---	0.046	1977
1978	---	---	0.345	0.285	0.124	0.060	0.012	0.013	0.026	0.032	---	---	0.112	1978
1979	---	---	0.419	0.160	0.083	0.011	0.005	0	0	0	---	---	0.085	1979
1980	---	---	0	0.198	0.001	0.023	0.007	0	0	0	---	---	0.028	1980
1981	---	---	0.228	0.067	0.292	0.011	0.007	0.041	0	0	---	---	0.061	1981
1982	---	---	0.001	1.30	0.087	0.021	0.127	0.010	0.005	0.010	---	---	0.193	1982
1983	---	---	0.351	0.399	0.048	0.003	0.047	0.001	0	0	---	---	0.106	1983
1984	---	---	0.068	0.040	0.014	0.018	0	0	0	0	---	---	0.017	1984
1985	---	---	0.369	0.796	0.024	0.004	0	0	0	0.003	---	---	0.148	1985
1986	---	---	0.292	0.047	0.347	0.012	0.332	0.052	0.124	0.174	---	---	0.174	1986
1987	---	---	0.045	1.14	0.103	0.018	0.017	0.013	0.023	0.001	---	---	0.167	1987
1988	---	---	0.014	0.053	0.005	0.062	0.020	0.025	0	0.002	---	---	0.023	1988
1989	---	---	0	0.849	0.084	0.031	0.019	0.007	0.018	0.016	---	---	0.126	1989
1990	---	---	0.649	0.417	0.215	2.55	0.261	0.029	0.008	0.020	---	---	0.513	1990
MEAN	---	---	0.173	0.655	0.169	0.164	0.051	0.014	0.011	0.015	---	---	0.180	MEAN

LOCATION - LAT 51 59 10 N, LONG 113 34 04 W. DRAINAGE AREA, 197 km² NATURAL FLOW

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	24.3 ON APR 15 *	18.6 ON APR 15 *	0 B ON MAR 01 *	11 300	1971
1972	---	5.72 ON APR 07	0 B ON MAR 01	3 380	1972
1973	---	4.79 B ON MAR 25	0 B ON MAR 01	5 220	1973
1974	15.0 AT 00:00 MST ON APR 20	11.4 ON APR 20	0 B ON MAR 01	11 800	1974
1975	6.88B AT 04:00 MST ON APR 22	5.89 B ON APR 22	0 B ON MAR 01	4 650	1975
1976	---	1.76 ON APR 08	0 B ON MAR 01	1 190	1976
1977	---	1.17 ON APR 07	0 ON MAR 01	975	1977
1978	---	3.60 B ON MAR 30	0 B ON MAR 01	2 370	1978
1979	---	2.65 ON MAR 13	0 ON MAR 01	1 800	1979
1980	---	1.39 ON APR 14	0 ON MAR 01	595	1980
1981	---	2.76 ON MAY 07	0 ON JUN 22	1 720	1981
1982	---	9.23 ON APR 14	0 B ON MAR 01	4 080	1982
1983	---	2.62 B ON MAR 31	0 B ON MAR 01	2 240	1983
1984	---	0.376B ON MAR 28	0 B ON MAR 01	370	1984
1985	---	5.20 ON APR 02	0 ON MAR 01	3 130	1985
1986	---	1.38 ON JUL 19	0.001 ON AUG 31	3 680	1986
1987	---	6.23 B ON APR 02	0 B ON MAR 01	3 530	1987
1988	---	0.320B ON APR 05	0 B ON MAR 01	480	1988
1989	---	3.92 ON APR 13	0 B ON MAR 01	2 660	1989
1990	14.4 AT 14:45 MST ON JUN 05	10.7 ON JUN 05	0 B ON MAR 01	10 900	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 800	MEAN

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.264	0.128	0.043	0.049	---	---	---	1965
1966	---	---	6.81	5.14	0.279	0.346	0.900	0.118	0.015	0.049	---	---	1.71	1966
1967	---	---	0.078	8.64	2.14	0.298	0.034	0	0	0	---	---	1.38	1967
1968	---	---	0.265	0.182	0.063	0.041	0.235	0.243	0.032	0.105	---	---	0.146	1968
1969	---	---	0.023	14.9	0.298	0.035	0.205	0.008	0.296	0.130	---	---	1.95	1969
1970	---	---	1.02	4.94	0.324	1.79	0.964	0.101	0.017	0.066	---	---	1.14	1970
1971	---	---	0.048	17.7	0.736	0.702	0.043	0.008	0.002	0.013	---	---	2.36	1971
1972	---	---	0.187	0.745	0.182	1.20	0.506	0.018	0.007	0.029	---	---	0.356	1972
1973	---	---	2.41	2.49	0.620	0.435	0.254	0.055	0.141	0.089	---	---	0.809	1973
1974	---	---	0.004	16.1	4.24	0.422	0.080	0.083	0.681	0.080	---	---	2.67	1974
1975	---	---	0	3.33	---	0.245	0.111	0.101	0.298	0.270	---	---	---	1975
1976	---	---	1.25	0.713	0.216	0.134	0.104	0.584	0.023	0.026	---	---	0.382	1976
1977	---	---	0.100	0.775	0.150	0.091	0.068	0.055	0.179	0.151	---	---	0.194	1977
1978	---	---	2.09	2.93	0.231	0.344	0.014	0.042	0.185	0.085	---	---	0.736	1978
1979	---	---	1.72	0.696	0.253	0.070	0.044	0.032	0.003	0.126	---	---	0.370	1979
1980	---	---	0.020	2.17	0.107	0.976	0.408	0.155	0.025	0.053	---	---	0.482	1980
1981	---	---	0.908	0.197	1.33	0.034	0.230	0.075	0.019	0.064	---	---	0.360	1981
1982	---	---	0.702	4.97	0.608	0.080	0.221	0.064	0.102	0.136	---	---	0.850	1982
1983	---	---	0.513	1.55	0.170	0.020	0.018	0	0	0.095	---	---	0.296	1983
1984	---	---	0.202	0.104	0.019	0.044	0.045	0.086	0.007	0.001	---	---	0.064	1984
1985	---	---	1.67	1.43	0.195	0.005	0.009	0.026	0.029	0.051	---	---	0.426	1985
1986	---	---	0.885	0.238	0.429	0.865	0.563	0.187	0.179	0.426	---	---	0.535	1986
1987	---	---	0.141	3.16	0.304	0.023	0.032	0.035	0.011	0.018	---	---	0.460	1987
1988	---	---	0.027	0.163	0.020	0.008	0.005	0.065	0.022	0.010	---	---	0.040	1988
1989	---	---	0.240	3.16	0.148	0.224	0.026	0.112	0.216	0.216	---	---	0.535	1989
1990	---	---	0.885	0.678	0.307	4.42	0.562	0.149	0.021	0.075	---	---	0.877	1990
MEAN	---	---	0.889	3.88	0.578	0.514	0.229	0.097	0.098	0.093	---	---	0.797	MEAN

LOCATION - LAT 51 33 53 N LONG 113 04 18 W DRAINAGE AREA, 1 070 km² REGULATED SINCE 1971

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	38.8 B AT 23:00 MST ON MAR 28	25.9 ON APR 01	0 B ON MAR 01 *	36 100	1966
1967	22.6 B AT 21:45 MST ON APR 04	10.3 ON APR 15	0 B ON MAR 19	29 200	1967
1968	1.26 AT 02:53 MST ON JUL 29	1.20 ON JUL 29	0 ON MAY 25	3 100	1968
1969	---	72.5 ON APR 07 *	0 B ON MAR 01	41 200	1969
1970	15.8 AT 07:00 MST ON APR 10	15.4 ON APR 10	0 B ON MAR 01	24 100	1970
1971	53.2 B AT 22:30 MST ON APR 09	42.2 B ON APR 09	0 B ON MAR 01	50 000	1971
1972	10.2 AT 05:00 MST ON JUN 13	7.84 ON JUN 13	0 B ON MAR 01	7 530	1972
1973	10.4 B AT 12:45 MST ON MAR 30	9.26 B ON MAR 30	0 B ON MAR 01	17 100	1973
1974	50.4 B AT 14:50 MST ON APR 15	45.0 B ON APR 15	0 B ON MAR 01	56 500	1974
1975	15.0 B AT 19:20 MST ON APR 20	12.9 B ON APR 20	0 B ON MAR 01	---	1975
1976	6.71B AT 17:00 MST ON MAR 23	5.66 B ON MAR 23	0 ON SEP 30	8 100	1976
1977	6.54B AT 21:00 MST ON APR 06	4.76 B ON APR 06	0 B ON MAR 01	4 110	1977
1978	19.4 AT 02:00 MST ON MAR 30	16.5 ON MAR 30	0 B ON MAR 01	15 600	1978
1979	---	3.76 B ON MAR 16	0 B ON MAR 01	7 820	1979
1980	64.0 AT 21:45 MST ON JUN 17 *	6.18 B ON APR 13	0 B ON MAR 01	10 200	1980
1981	10.3 AT 00:25 MST ON MAY 08	7.80 ON MAY 08	0.003 ON SEP 18	7 630	1981
1982	15.8 B AT 17:54 MST ON APR 14	14.9 B ON APR 14	0 B ON MAR 01	18 000	1982
1983	---	4.47 B ON APR 05	0 A ON JUN 13	6 260	1983
1984	5.98 AT 01:14 MST ON AUG 04	1.86 ON AUG 04	0 B ON MAR 01	1 350	1984
1985	---	5.73 B ON MAR 16	0 B ON MAR 01	9 020	1985
1986	8.31 AT 21:40 MST ON JUN 05	6.10 ON JUN 06	0.007 ON SEP 15	11 300	1986
1987	19.3 AT 12:46 MST ON APR 06	14.0 ON APR 06	0 B ON MAR 01	9 740	1987
1988	1.04 AT 03:40 MST ON AUG 19	0.615 ON APR 08	0 B ON MAR 01	843	1988
1989	19.3 AT 00:34 MST ON JUN 27	6.63 B ON APR 03	0 B ON MAR 01	11 300	1989
1990	13.0 AT 10:11 MST ON JUN 17	11.2 ON JUN 17	0.003 ON SEP 21	18 600	1990
				16 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.013	0.004	0.007	0.009	---	---	---	1967
1968	---	---	0.383	0.157	0.017	0.014	0.172	0.117	0.017	0.047	---	---	---	1968
1969	---	---	0.008	6.09	0.139	0.052	0.208	0.040	0.166	0.068	---	---	---	1969
MEAN	---	---	0.196	3.12	0.078	0.033	0.131	0.054	0.063	0.041	---	---	---	MEAN

LOCATION - LAT 51 51 30 N LONG 113 25 30 W DRAINAGE AREA, 458 km² NATURAL FLOW

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	1.70B ON MAR 06	---	---	1968
1969	---	33.4 A ON APR 07 *	0B ON FEB 27 *	---	1969
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	6.43	11.8	6.60	6.21	2.01	0.312	0.255	---	---	---	1909
1912	---	---	---	2.96	4.42	5.09	12.5	3.47	1.22	1.73	---	---	---	1912
1913	---	---	---	---	4.68	4.54	4.29	2.38	0.839	0.573	---	---	---	1913
1914	---	---	---	---	3.40	2.76	0.984	0.207	0.228	1.59	---	---	---	1914
1915	---	---	---	0.912	14.3	16.5	13.2	4.19	2.56	2.46	---	---	---	1915
1916	---	---	---	5.18	7.81	17.8	3.58	11.3	9.67	4.59	---	---	---	1916
1965	---	---	---	---	---	---	---	2.91	4.24	2.96	---	---	---	1965
1966	---	---	0.726	1.19	5.87	8.70	3.25	1.12	0.399	0.387	---	---	---	1966
1967	---	---	0.174	2.59	19.5	18.9	1.91	0.324	0.104	0.095	---	---	2.70	1967
1968	---	---	0.244	0.636	2.94	5.13	1.18	0.910	1.21	2.05	0.621	0.195	5.42	1968
1969	0.055	0.061	0.727	7.45	8.20	16.1	12.6	0.576	0.310	0.305	---	---	1.80	1969
													5.76	
1970	---	---	0	1.97	6.34	8.84	1.11	0.138	0.068	0.152	---	---	2.31	1970
1971	---	---	0.020	3.66	3.41	5.92	0.509	0.081	0.086	0.187	---	---	1.72	1971
1972	---	---	2.28	4.92	8.31	4.70	1.63	0.718	0.501	0.512	---	---	2.94	1972
1973	---	---	1.20	3.03	8.78	5.95	0.840	0.531	0.831	0.196	---	---	2.69	1973
1974	---	---	0.427	7.55	16.5	7.81	0.930	0.635	0.570	0.429	---	---	4.35	1974
1975	---	---	0.019	2.99	6.05	5.79	1.60	0.520	0.194	0.166	---	---	2.16	1975
1976	---	---	0.065	1.72	2.89	0.975	0.282	3.85	0.677	0.311	---	---	1.35	1976
1977	---	---	0.193	1.68	2.21	0.967	0.265	0.723	0.872	0.748	---	---	0.954	1977
1978	---	---	2.15	3.30	6.51	6.47	2.79	1.33	1.08	0.528	---	---	3.01	1978
1979	---	---	1.53	3.37	5.86	1.90	0.635	0.198	0.045	0.059	---	---	1.70	1979
1980	---	---	0.022	3.47	3.24	7.24	0.523	0.862	1.42	0.645	---	---	2.15	1980
1981	---	---	0.315	0.603	14.4	8.98	3.70	2.11	0.456	0.298	---	---	3.87	1981
1982	---	---	0.015	1.32	1.24	4.69	2.34	0.271	0.347	0.424	---	---	1.32	1982
1983	---	---	0.217	2.69	4.87	1.88	0.80	0.402	0.030	0.079	---	---	1.50	1983
1984	---	---	0.045	0.513	1.10	2.59	0.380	0.048	0.036	0.047	---	---	0.589	1984
1985	---	---	0.226	2.42	2.78	1.26	0.093	0.712	4.62	1.35	---	---	1.67	1985
1986	---	---	1.25	1.25	5.46	2.20	1.91	0.730	1.89	4.56	---	---	2.41	1986
1987	---	---	0.753	2.33	1.30	0.360	1.59	1.76	0.678	0.322	---	---	1.14	1987
1988	---	---	0.156	0.856	0.990	0.958	0.209	1.32	0.549	0.400	---	---	0.678	1988
1989	---	---	0.009	3.02	3.15	1.69	0.408	0.152	0.981	0.413	---	---	1.22	1989
1990	---	---	0.390	1.47	9.60	8.56	1.74	2.27	0.818	0.457	---	---	3.16	1990
MEAN	0.055	0.061	0.525	2.82	6.38	6.19	2.74	1.52	1.18	0.921	0.621	0.195	2.34	MEAN

LOCATION - LAT 50 46 14 N LONG 114 16 39 W DRAINAGE AREA, 507 km^2 NATURAL FLOW

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	23.1 ON MAY 24	---	---	1909
1912	---	25.5 ON JUL 08	---	---	1912
1913	---	15.5 ON MAY 14	---	---	1913
1914	---	8.01 ON JUN 14	---	---	1914
1915	159 ON JUN 26	60.0 ON JUN 26	---	---	1915
1916	---	47.0 ON AUG 18	---	---	1916
1965	---	---	---	---	1965
1966	32.6 AT 06:00 MST ON JUN 10	24.6 ON JUN 05	0.059B ON MAR 01	57 100	1966
1967	283 AT 22:00 MST ON MAY 30 *	184 ON MAY 31 *	0.028B ON MAR 01	115 000	1967
1968	26.0 AT 10:15 MST ON JUN 08	20.2 ON JUN 08	0.065B ON MAR 01	38 200	1968
1969	146 AT 14:25 MST ON JUN 29	109 ON JUN 29	0.045B ON MAR 09	122 000	1969
1970	75.9 AT 06:35 MST ON JUN 14	56.1 ON JUN 14	0 B ON MAR 01 *	48 900	1970
1971	41.6 AT 13:00 MST ON JUN 06	30.9 ON JUN 06	0.006B ON MAR 01	36 300	1971
1972	27.3 AT 22:00 MST ON APR 06	18.0 ON APR 06	0.014B ON MAR 11	62 300	1972
1973	32.9 AT 18:00 MST ON MAY 26	24.6 ON MAY 27	0.127B ON MAR 01	56 900	1973
1974	53.8 AT 23:30 MST ON APR 30	34.3 ON APR 30	0.025B ON MAR 08	92 000	1974
1975	33.1 AT 20:00 MST ON JUN 20	28.9 ON JUN 20	0.014B ON MAR 06	45 600	1975
1976	17.4 AT 20:00 MST ON AUG 09	13.0 ON AUG 10	0.014B ON MAR 02	28 500	1976
1977	17.3 AT 22:30 MST ON APR 04	7.65 ON APR 05	0.057B ON MAR 01	20 200	1977
1978	37.1 AT 08:00 MST ON MAY 31	27.3 ON MAY 31	0.040B ON MAR 01	63 700	1978
1979	10.4 AT 03:00 MST ON APR 28	9.03 ON MAY 17	0.017B ON MAR 01	36 000	1979
1980	38.5 AT 02:30 MST ON JUN 04	31.7 ON JUN 04	0.014B ON MAR 24	45 600	1980
1981	45.2 AT 02:30 MST ON JUN 14	34.3 ON JUN 14	0.119B ON MAR 09	81 800	1981
1982	18.1 AT 07:12 MST ON JUN 28	14.3 ON JUN 30	0.006B ON MAR 01	28 000	1982
1983	33.6 AT 08:25 MST ON APR 25	24.6 ON APR 25	0.021 ON SEP 06	71 700	1983
1984	7.86 AT 13:00 MST ON JUN 09	7.12 ON JUN 09	0.020B ON MAR 03	12 500	1984
1985	40.1 AT 05:07 MST ON SEP 13	33.7 ON SEP 13	0.017B ON MAR 14	35 300	1985
1986	13.0 AT 00:18 MST ON SEP 27	11.5 ON MAY 22	0.341 ON AUG 29	51 100	1986
1987	---	12.1 B ON APR 01	0.150B ON MAR 01	24 100	1987
1988	3.45 AT 10:52 MST ON AUG 21	3.19 ON AUG 21	0.016B ON MAR 16	14 400	1988
1989	14.0 AT 23:47 MST ON APR 14	8.25 ON APR 15	0.003B ON MAR 01	25 800	1989
1990	56.3 AT 09:15 MST ON MAY 26	51.3 ON MAY 26	0.021B ON MAR 01	66 800	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		49 600	MEAN

TINDASTOLL CREEK NEAR MARKERVILLE - STATION NO. 05CC012

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	0.956	0.076	0.181	0.230	---	---	---	1986
1987	---	---	0.040	0.766	0.139	0.006	0.012	0.026	0.022	0.015	---	---	0.127	1987
1988	---	---	0.004	0.077	0.010	0.043	0.018	0.009	0.020	0.007	---	---	0.023	1988
1989	---	---	0	0.824	0.043	0.020	0.014	0.033	0.014	0.023	---	---	0.119	1989
1990	---	---	0.164	1.27	0.044	2.50	0.659	0.020	0.012	0.035	---	---	0.580	1990
MEAN	---	---	0.052	0.734	0.059	0.642	0.332	0.033	0.050	0.062	---	---	0.212	MEAN

LOCATION - LAT 52 06 52 N DRAINAGE AREA, 142 km^2
LONG 114 07 10 W NATURAL FLOW

TINDASTOLL CREEK NEAR MARKERVILLE - STATION NO. 05CC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	4.14 AT 16:17 MST ON JUL 19	4.05 ON JUL 19	---	---	1986
1987	3.98 AT 08:00 MST ON APR 03	3.40 ON APR 03	0B ON MAR 01 *	2 680	1987
1988	---	0.351 ON JUN 10	0B ON MAR 01	493	1988
1989	4.92 AT 03:11 MST ON APR 09	3.64 ON APR 09	0B ON MAR 01	2 530	1989
1990	10.5 AT 17:16 MST ON JUN 13 *	10.3 ON JUN 14 *	0B ON MAR 01	12 300	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 500	MEAN

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.562	0.219	0.192	---	---	---	1909
1910	---	---	---	0.279	0.542	0.309	0.104	0.060	0.089	0.094	---	---	0.211	1910
1911	---	---	---	---	1.40	1.22	0.395	0.521	0.631	0.426	---	---	---	1911
1912	---	---	---	---	0.646	0.569	0.603	0.409	0.272	0.241	---	---	---	1912
1913	---	---	---	---	1.23	1.21	0.397	0.207	0.138	0.164	---	---	---	1913
1914	---	---	---	0.820	0.654	0.566	0.284	0.173	0.163	0.272	---	---	0.418	1914
1915	---	---	---	0.561	1.85	2.41	1.60	0.465	0.315	0.360	---	---	1.08	1915
1916	---	---	---	---	1.24	1.94	1.37	0.399	0.263	0.205	---	---	---	1916
1974	---	---	---	---	1.44	1.53	0.554	0.294	0.157	0.132	---	---	---	1974
1975	---	---	---	---	1.15	1.57	0.665	0.292	0.132	0.146	---	---	---	1975
1976	---	---	---	---	0.698	0.473	0.191	2.01	0.438	0.280	---	---	---	1976
1977	---	---	---	---	0.184	0.120	0.040	0.060	0.110	0.114	---	---	---	1977
1978	---	---	---	---	1.90	1.41	1.37	0.456	0.311	0.196	---	---	---	1978
1979	---	---	---	---	1.46	0.890	0.298	0.168	0.094	0.115	---	---	---	1979
1980	---	---	---	---	0.418	0.496	0.134	0.139	0.077	0.141	---	---	---	1980
1981	---	---	---	---	1.94	1.49	0.618	0.238	0.115	0.118	---	---	---	1981
1982	---	---	---	0.781	0.447	0.789	0.326	0.102	0.075	0.063	---	---	0.366	1982
1983	---	---	---	0.374	0.305	0.288	0.172	0.043	0.019	0.063	---	---	0.180	1983
1984	---	---	---	0.121	0.113	0.185	0.080	0.018	0.010	0.020	---	---	0.078	1984
1985	---	---	---	0.185	0.127	0.129	0.014	0.028	0.082	0.144	---	---	0.101	1985
1986	---	---	---	0.485	0.942	0.700	0.455	0.377	---	---	---	---	---	1986
1987	---	---	---	0.308	0.257	0.111	0.131	0.175	0.070	0.076	---	---	0.161	1987
1988	---	---	---	0.243	0.150	0.134	0.042	0.008	0	0.013	---	---	0.084	1988
1989	---	---	---	0.601	0.650	0.707	0.349	0.152	0.147	0.163	---	---	0.394	1989
1990	---	---	---	0.540	1.60	1.61	0.532	0.275	0.118	0.208	---	---	0.697	1990
MEAN	---	---	---	0.442	0.893	0.869	0.447	0.305	0.169	0.164	---	---	0.343	MEAN

LOCATION - LAT 49 39 24 N DRAINAGE AREA, 144 km²
LONG 114 07 32 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.864 ON MAY 19	0.020 ON AUG 21	3 900	1910
1911	---	4.11 ON MAY 17	---	---	1911
1912	---	1.64 ON JUN 16	---	---	1912
1913	---	2.94 ON APR 18	---	---	1913
1914	---	1.70 ON JUN 26	0.099 ON AUG 16	7 720	1914
1915	---	7.67 ON JUN 26	0.249 ON SEP 02	20 000	1915
1916	---	3.68 ON JUN 29	---	---	1916
1974	---	2.23 ON MAY 20	---	---	1974
1975	10.5 ON JUN 20 *	5.64 ON JUN 20	---	---	1975
1976	---	12.4 ON AUG 06 *	---	---	1976
1977	---	0.280 ON MAY 23	0 ON JUL 19 *	---	1977
1978	---	5.86 ON JUL 08	---	---	1978
1979	---	2.08 ON MAY 08	---	---	1979
1980	---	2.16 ON JUN 06	---	---	1980
1981	---	8.56 ON JUN 14	---	---	1981
1982	---	3.23 ON JUN 15	0.009 ON SEP 10	6 770	1982
1983	---	0.705 ON APR 25	0 ON AUG 31	3 320	1983
1984	---	0.695 ON MAY 17	0 ON AUG 17	1 440	1984
1985	---	0.379 ON APR 03	0 E ON JUL 12	1 860	1985
1986	---	1.22 ON MAY 28	---	---	1986
1987	0.872 AT 15:12 MST ON JUL 19	0.584 ON AUG 15	0.010 ON JUL 17	2 980	1987
1988	1.02 AT 17:25 MST ON APR 07	0.566 ON APR 07	0 ON AUG 27	1 550	1988
1989	1.97 AT 23:15 MST ON MAY 02	1.49 ON MAY 03	0.062 ON AUG 13	7 290	1989
1990	6.00 AT 21:10 MST ON MAY 29	4.72 ON MAY 29	0.080 ON SEP 30	12 900	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 340	MEAN

TODD CREEK NEAR HIGHWAY NO.22 - STATION NO. 05AA909

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.423	0.696	---	---	---	0.104	---	---	---	1982
1983	---	---	---	0.320	0.290	0.321	0.192	0.081	0.080	0.066	---	---	0.171	1983
1984	---	---	---	---	0.258	0.256	0.103	---	---	0.043	---	---	---	1984
1985	---	---	---	---	0.133	0.215	0.100	0.110	0.186	0.236	---	---	0.163	1985
1986	---	---	0.374	0.415	0.902	0.940	0.290	0.103	0.187	0.253	---	---	0.446	1986
1987	---	---	---	0.285	0.305	0.181	0.227	0.209	0.092	0.131	---	---	0.191	1987
1988	---	---	---	0.269	0.241	0.232	0.087	0.059	0.038	0.051	---	---	0.118	1988
1989	---	---	---	---	0.679	0.813	0.423	0.246	0.169	0.211	---	---	0.423	1989
1990	---	---	---	0.524	1.70	1.49	0.542	0.281	0.158	0.245	---	---	0.735	1990
MEAN	---	---	0.374	0.363	0.548	0.572	0.246	0.156	0.130	0.149	---	---	0.321	MEAN

LOCATION - LAT 49 45 40 N DRAINAGE AREA, 73.8 km²
LONG 114 14 00 W NATURAL FLOW

TODD CREEK NEAR HIGHWAY NO.22 - STATION NO. 05AA909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	2.08 AT 14:50 MST ON JUN 25	0.648 ON JUN 04	0.050 ON SEP 02	2 720	1984
	---	1.34 ON MAY 16	---	---	
1985	6.01 AT 14:10 MST ON OCT 16	0.789 ON SEP 12	0.021 ON AUG 26	2 590	1985
1986	9.14 AT 17:10 MST ON OCT 09	2.02 ON MAY 31	0.045 ON AUG 28	7 090	1986
1987	7.22 AT 15:10 MST ON OCT 27	1.18 ON JUL 19	0.069 ON SEP 16	3 040	1987
1988	4.03 AT 17:28 MST ON APR 26	0.891 ON MAY 05	0.001 ON OCT 09 *	1 870	1988
1989	5.40 AT 17:04 MST ON MAY 02	3.20 ON MAY 02	0.111 ON SEP 27	6 720	1989
1990	8.66 AT 11:40 MST ON MAY 29 *	6.09 ON MAY 29 *	0.138 ON SEP 26	11 700	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 100	MEAN

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO. 05DE009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	0.061	0.004	0.217	0.255	---	---	---	1984
1985	---	---	0.049	2.64	0.246	0.147	0.030	0.031	0.096	0.132	---	---	0.415	1985
1986	---	---	0.614	0.318	0.352	0.039	2.47	0.218	0.135	0.273	---	---	0.557	1986
1987	---	---	0.076	0.255	0.216	0.192	0.132	1.44	0.117	0.052	---	---	0.312	1987
1988	---	---	0.042	0.050	0.016	0.094	1.41	0.135	0.151	0.112	---	---	0.253	1988
1989	---	---	0.039	0.781	0.617	0.437	2.00	1.33	0.163	0.185	---	---	0.697	1989
1990	---	---	0.487	0.587	0.431	0.671	1.54	0.037	0.018	0.034	---	---	0.476	1990
MEAN	---	---	0.218	0.772	0.313	0.263	1.09	0.456	0.128	0.149	---	---	0.452	MEAN

LOCATION - LAT 53 24 21 N LONG 114 45 41 W DRAINAGE AREA, 105 km^2 NATURAL FLOW

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO. 05DE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	23.0 AT 05:47 MST ON JUL 18 *	6.00B ON APR 02	0.003E ON JUL 31	8 790	1986
1987	12.4 AT 11:24 MST ON AUG 05	21.1 ON JUL 18 *	0.004 ON JUN 29	11 800	1987
1988	17.7 AT 21:30 MST ON JUL 06	10.1 ON AUG 05	0.001B ON MAR 01 *	6 610	1988
1989	16.2 AT 02:03 MST ON JUL 09	12.1 ON JUL 07	0.001 ON APR 25	5 350	1989
		12.8 ON JUL 09	0.002B ON MAR 01	14 800	
1990	19.1 AT 18:27 MST ON JUL 03	13.0 ON JUL 04	0.006 ON SEP 12	10 100	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 580	MEAN

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO. 05BL016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.168	0.098	0.058	1.51	0.431	---	---	---	---	---	---	1923
1924	---	---	0.069	0.686	0.114	0.219	---	---	---	---	---	---	---	1924
1925	---	---	0.903	0.728	0.084	0.211	---	---	---	---	---	---	---	1925
1930	---	---	---	0.991	0.298	0.449	0.077	0.004	0.008	0.035	---	---	---	1930
1931	---	---	---	0.453	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.041	0.046	---	---	---	1935
1936	---	---	0.455	---	0.073	0.084	---	---	---	---	---	---	---	1936
MEAN	---	---	0.399	0.591	0.125	0.495	0.254	0.004	0.025	0.041	---	---	---	MEAN

LOCATION - LAT 50 35 00 N LONG 113 52 00 W DRAINAGE AREA, 267 km^2 NATURAL FLOW

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO. 05BL016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	12.9 ON JUN 23 *	0B ON MAR 03 *	---	1924
1925	---	5.61B ON APR 07	---	---	1925
1930	---	5.38 ON MAR 28	---	---	1930
1931	---	---	0 ON AUG 14	---	1931
1935	---	4.53B ON APR 06	---	---	1935
1936	---	---	---	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.243	0.735	0.586	0.294	0.160	0.176	---	---	---	---	1978
1979	---	---	---	---	1.39	0.443	0.123	0.041	0.029	0.047	---	---	0.346	1979
1980	---	---	---	---	1.10	0.754	0.137	0.120	0.117	0.106	---	---	0.388	1980
1981	---	---	---	---	2.41	0.956	0.267	0.071	0.026	0.052	0.048	0.021	0.632	1981
1982	---	---	---	---	0.388	0.458	0.124	0.026	0.030	0.067	---	---	0.102	1982
1983	---	---	---	---	0.388	0.200	0.049	0.019	0.020	0.034	---	---	0.118	1983
1984	---	---	---	---	0.105	0.093	---	---	0.011	0.013	---	---	---	1984
1985	---	---	---	0.390	0.356	0.231	0.027	0.048	0.249	0.486	---	---	0.233	1985
1986	---	---	0.601	0.579	0.772	0.251	0.084	0.025	0.119	0.278	---	---	0.255	1986
1987	---	---	0.199	0.801	0.424	0.137	0.495	0.312	0.162	0.109	---	---	0.275	1987
1988	---	---	---	0.365	0.413	0.157	0.031	0.010	0.009	0.009	---	---	0.105	1988
1989	---	---	---	---	0.466	0.822	0.172	0.097	---	0.108	---	---	---	1989
MEAN	---	---	0.400	0.476	0.746	0.424	0.164	0.084	0.086	0.119	0.048	0.021	0.282	MEAN

LOCATION - LAT 49 04 00 N LONG 113 32 00 W DRAINAGE AREA, 38.6 km² NATURAL FLOW

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	3.54 ON MAY 31	---	---	1978
1979	2.50 AT 00:00 MST ON MAY 18	1.91 ON MAY 17	0.027 ON SEP 10	5 510	1979
1980	13.1 AT 13:30 MST ON MAY 26	11.5 ON MAY 26 *	0.051 ON AUG 02	6 160	1980
1981	13.8 AT 16:20 MST ON MAY 15 *	6.44 ON MAY 22	0.018 ON SEP 20	10 000	1981
1982	---	0.836 ON JUN 07	0.020 ON AUG 17	2 890	1982
1983	0.793 AT 12:40 MST ON MAY 21	0.706 ON MAY 21	0.016 ON AUG 14	1 880	1983
1984	0.385 AT 02:30 MST ON APR 20	0.306 ON JUN 22	---	---	1984
1985	1.06 AT 14:00 MST ON SEP 12	0.770 ON OCT 16	0.013 ON JUL 25	3 700	1985
1986	---	1.29 ON MAY 05	0.012 ON AUG 29	4 060	1986
1987	6.24 AT 18:10 MST ON JUL 22	3.03 ON JUL 22	0.060 ON JUN 27	4 370	1987
1988	1.72 AT 16:35 MST ON MAY 07	1.26 ON MAY 07	0.002 ON SEP 02 *	1 670	1988
1989	5.49 AT 06:02 MST ON JUN 11	4.49 ON JUN 11	---	---	1989
	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			4 470	MEAN

TRAP CREEK NEAR LONGVIEW - STATION NO. 05BL027

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	2.73	1.12	---	---	0.488	---	---	---	1979
1980	---	---	---	---	2.49	4.41	1.14	1.40	1.24	1.10	---	---	1.95	1980
1981	---	---	---	---	6.69	4.51	3.04	1.92	1.01	0.649	---	---	2.97	1981
1982	---	---	---	---	1.15	1.12	1.41	0.595	0.565	0.585	---	---	1.23	1982
1983	---	---	---	---	2.80	2.04	1.27	0.639	0.492	0.427	---	---	1.28	1983
1984	---	---	---	---	1.19	2.25	0.924	0.464	0.391	0.341	---	---	0.923	1984
1985	---	---	---	---	1.32	1.52	0.616	0.887	2.38	1.34	---	---	1.34	1985
1986	---	---	---	---	3.49	3.09	1.12	0.801	1.15	1.69	---	---	1.89	1986
1987	---	---	---	---	1.72	1.04	1.88	1.66	0.846	0.575	---	---	1.29	1987
1988	---	---	---	---	1.22	1.43	0.522	1.01	0.482	0.411	---	---	0.845	1988
1989	---	---	---	---	2.12	2.26	0.875	0.853	1.10	0.624	---	---	1.30	1989
1990	---	---	---	---	6.70	5.11	1.91	1.54	0.868	0.646	---	---	2.79	1990
MEAN	---	---	---	---	2.81	2.79	1.32	1.07	0.957	0.740	---	---	1.62	MEAN

LOCATION - LAT 50 28 36 N LONG 114 25 28 W DRAINAGE AREA, 137 km² NATURAL FLOW

TRAP CREEK NEAR LONGVIEW - STATION NO. 05BL027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	12.4 AT 23:00 MST ON MAY 26	8.99 ON MAY 26	---	---	1979
1980	10.9 AT 22:00 MST ON JUN 09	8.91 ON JUN 10	0.680 ON AUG 04	31 000	1980
1981	33.8 E ON MAY 26	22.4 A ON MAY 26	0.592 ON OCT 23	47 300	1981
1982	4.83 AT 22:33 MST ON JUN 14	3.90 ON JUN 11	0.477 ON SEP 03	19 600	1982
1983	5.88 AT 02:32 MST ON APR 25	4.23 ON MAY 26	0.394 ON OCT 31 *	20 300	1983
1984	4.17 AT 21:22 MST ON MAY 30	3.18 ON JUN 23	0.160B ON OCT 31 *	14 700	1984
1985	17.4 AT 14:38 MST ON SEP 12	9.27 ON SEP 13	0.450 ON AUG 07	21 300	1985
1986	10.6 AT 21:26 MST ON MAY 26	8.84 ON MAY 27	0.603 ON AUG 29	30 000	1986
1987	5.11 AT 10:38 MST ON JUL 19	4.75 ON JUL 19	0.509 ON OCT 31	20 500	1987
1988	4.71 AT 01:14 MST ON JUN 08	3.56 ON JUN 08	0.280 ON OCT 30	13 400	1988
1989	4.27 AT 23:21 MST ON MAY 10	3.73 ON MAY 11	0.350B ON OCT 31	20 700	1989
1990	40.0 AT 00:00 MST ON MAY 26 *	30.0 A ON MAY 26 *	0.580E ON OCT 31	44 400	1990
				25 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TROUT CREEK NEAR GRAHUM - STATION NO. 05AB005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.41	0.850	0.776	---	---	---	1908
1911	---	---	---	0.353	0.728	1.02	0.550	2.05	3.13	1.52	---	---	---	1911
1912	---	---	---	1.21	1.73	1.87	1.96	1.26	0.722	0.605	---	---	---	1912
1913	---	---	---	---	2.75	2.33	2.33	0.999	0.514	0.490	---	---	---	1913
1914	---	---	---	0.956	0.545	0.480	0.455	0.289	0.185	0.303	---	---	---	1914
1915	---	---	---	0.729	5.84	8.83	7.08	2.77	1.27	0.902	---	---	---	1915
1916	---	---	---	---	2.61	9.48	3.11	1.42	1.63	1.22	---	---	---	1916
1917	---	---	---	0.647	8.74	11.3	2.99	1.12	0.747	0.483	---	---	---	1917
1918	---	---	---	0.545	0.393	0.484	0.301	0.177	0.189	0.352	---	---	---	1918
1919	---	---	0.089	0.387	0.487	0.264	0.095	0.081	0.077	0.092	---	---	0.196	1919
1922	---	---	0.116	1.22	2.00	1.17	0.721	0.234	0.121	0.132	---	---	0.712	1922
1923	---	---	0.211	0.415	0.908	14.8	5.06	1.74	0.867	0.535	---	---	3.04	1923
1977	---	---	---	---	---	0.058	0.010	0.026	0.040	0.049	---	---	---	1977
1978	---	---	1.06	0.473	1.87	3.47	1.09	0.537	0.432	0.295	---	---	1.15	1978
1979	---	---	0.525	0.879	2.71	1.49	0.501	0.251	0.136	0.124	---	---	0.827	1979
1980	---	---	0.288	0.469	0.236	0.507	0.117	0.087	0.065	0.098	---	---	0.232	1980
1981	---	---	0.128	0.101	2.65	3.09	1.33	0.870	0.297	0.249	---	---	1.09	1981
1982	---	---	0.211	0.532	0.186	0.618	0.485	0.127	0.081	0.100	---	---	0.291	1982
1983	---	---	0.219	0.218	0.177	0.216	0.129	0.003	0	0.008	---	---	0.121	1983
1984	---	---	0.104	0.087	0.055	0.029	0	0	0	0	---	---	0.034	1984
1985	---	---	0.072	0.101	0.012	0.008	0	0	0.032	0.150	---	---	0.048	1985
1986	---	---	0.339	0.247	0.593	0.572	0.236	0.058	0.148	0.124	---	---	0.289	1986
1987	---	---	0.135	0.204	0.073	0.010	0.061	0.049	0.001	0.022	---	---	0.069	1987
1988	---	---	0.116	0.047	0.024	0.012	0	0	0	0	---	---	0.025	1988
1989	---	---	0.055	0.245	0.081	0.034	0.003	0	0	0	---	---	0.052	1989
1990	---	---	0.143	0.125	1.27	2.19	0.549	0.243	0.067	0.079	---	---	0.581	1990
MEAN	---	---	0.238	0.463	1.53	2.57	1.17	0.608	0.445	0.335	---	---	0.547	MEAN

LOCATION - LAT 49 50 35 N LONG 113 41 07 W DRAINAGE AREA, 440 km² NATURAL FLOW

TROUT CREEK NEAR GRAHUM - STATION NO. 05AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1911	---	---	---	---	1911
1912	---	4.56 ON SEP 11	---	---	1912
1913	---	3.20 ON JUN 16	---	---	1913
1914	---	4.28 ON JUN 11	---	---	1914
		1.42 ON APR 13	---	---	
1915	---	---	---	---	1915
1916	---	20.0 ON JUN 26	---	---	1916
1917	---	20.9 ON JUN 05	---	---	1917
1918	---	23.3 ON MAY 29	---	---	1918
1919	---	---	---	---	1919
	---	1.27 B ON APR 01	0 B ON MAR 01 *	4 140	
1922	---	---	---	---	1922
1923	---	4.62 ON APR 23	0 B ON MAR 01	15 100	1923
		42.2 ON JUN 01 *	0.116B ON MAR 01	64 300	
1977	0.238 AT 05:15 MST ON JUN 16	---	---	---	1977
1978	7.56 AT 12:25 MST ON JUN 02	7.33 ON JUN 02	0 ON JUL 18	24 300	1978
1979	4.26 AT 00:35 MST ON MAY 19	3.87 ON MAY 19	0 B ON MAR 01	17 500	1979
			0.040B ON MAR 01		
1980	1.09 AT 14:35 MST ON APR 15	0.915 ON APR 15	0.019 ON SEP 11	4 910	1980
1981	10.4 AT 21:50 MST ON MAY 24	7.85 ON MAY 24	0.040B ON MAR 05	23 100	1981
1982	2.21 AT 00:30 MST ON JUN 06	1.82 ON JUN 06	0 B ON MAR 01	6 160	1982
1983	1.04 B AT 12:15 MST ON MAR 10	1.00 B ON MAR 10	0 ON AUG 02	2 560	1983
1984	0.198 AT 08:10 MST ON MAR 24	0.193 ON MAR 24	0 ON JUN 06	725	1984
1985	0.433 AT 01:09 MST ON SEP 13	0.383 ON MAR 18	0 ON MAR 01	1 020	1985
1986	34.0 E AT 23:00 MST ON FEB 24 *	0.922 ON MAY 28	0 ON AUG 24	6 120	1986
1987	0.734B AT 07:37 MST ON MAR 31	0.595B ON APR 01	0 ON JUN 05	1 470	1987
1988	0.708 AT 19:32 MST ON JUN 07	0.173B ON MAR 10	0 ON MAY 22	529	1988
1989	0.511B AT 09:40 MST ON MAR 26	0.334 ON APR 07	0 B ON MAR 01	1 090	1989
1990	7.24 AT 10:48 MST ON MAY 15	4.88 ON MAY 29	0.046 ON SEP 26	12 300	1990
				11 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.73	2.23	1.56	2.46	1.47	---	---	---	1951
1952	---	---	---	---	0.488	0.887	1.03	0.170	0.575	0.979	---	---	0.687	1952
1953	---	---	---	---	---	1.44	1.15	0.716	0.831	2.05	---	---	---	1953
1954	---	---	---	---	1.07	1.42	1.15	0.646	0.730	1.33	---	---	1.06	1954
1955	---	---	---	---	0.586	1.53	2.03	0.910	0.948	1.18	---	---	1.20	1955
1956	---	---	---	---	0.246	1.27	1.25	1.24	0.084	1.26	---	---	0.894	1956
1957	---	---	---	---	0.733	1.67	0.410	0.708	1.11	0.939	---	---	0.938	1957
1958	---	---	---	---	0.683	0.983	0.981	0.117	1.41	0.865	---	---	0.836	1958
1959	---	---	---	---	1.01	1.04	0.453	0.608	0.749	1.54	---	---	0.900	1959
1960	---	---	---	---	0.387	1.63	0.604	0.449	0.111	0.146	---	---	0.551	1960
1961	---	---	---	---	1.06	0.385	0.011	0.057	0.970	0.207	---	---	0.445	1961
1962	---	---	---	---	0.554	0.095	0.101	0.335	1.52	1.80	---	---	0.734	1962
1963	---	---	---	---	1.02	0.692	1.81	0.845	1.76	1.38	---	---	1.25	1963
1964	---	---	---	---	0.691	0.700	0.105	0.181	0.576	1.05	---	---	0.550	1964
1965	---	---	---	---	0.596	1.47	0.131	0.307	1.16	1.68	---	---	0.885	1965
1966	---	---	---	---	0.482	1.17	1.15	0.065	0.168	0.902	---	---	0.656	1966
1967	---	---	---	---	0.676	1.24	0.496	0.146	0.042	0.488	---	---	0.513	1967
1968	---	---	---	---	0.543	0.989	0.344	0.276	0.524	0.823	---	---	0.582	1968
1969	---	---	---	---	0.044	0.357	0.227	0.036	0.032	0.213	---	---	0.151	1969
1970	---	---	---	---	0.721	0.843	0.372	0.278	0.288	1.78	---	---	0.715	1970
1971	---	---	---	---	0.644	0.684	0.692	0.052	0.069	1.27	---	---	0.570	1971
1972	---	---	---	---	0.130	0.368	0.071	0.018	0.002	0.503	---	---	0.182	1972
1973	---	---	---	---	0.700	0.545	0.096	0.294	0.035	0.911	---	---	0.448	1973
1974	---	---	---	---	0.312	0.661	0.567	0.079	0.364	0.845	0.089	---	0.471	1974
1975	---	---	---	---	0.258	0.758	0.536	0.622	0.447	0.459	---	---	0.512	1975
1976	---	---	---	---	0.454	1.17	0.990	0.745	2.72	0.127	---	---	1.02	1976
1977	---	---	---	---	0.083	0.075	0.035	0.046	0.077	0.858	0.229	---	0.197	1977
1978	---	---	---	---	0.309	0.225	0.255	0.449	0.361	0.416	---	---	0.336	1978
1979	---	---	---	---	0.289	0.217	0.849	0.500	0.370	0.028	---	---	0.376	1979
1980	---	---	---	---	0.473	0.981	0.253	0.166	0.187	0.055	---	---	0.350	1980
1981	---	---	---	---	0.587	0.098	1.01	0.299	0.025	0.481	---	---	0.421	1981
1982	---	---	---	---	0.039	0.004	0.016	0.107	0.065	0.035	---	---	0.045	1982
1983	---	---	---	---	0.071	0	0.048	0.131	0.351	0.117	---	---	0.119	1983
1984	---	---	---	---	0.081	0.224	0.257	0.220	0.115	0.071	0.017	---	0.161	1984
1985	---	---	---	---	0.025	0.035	0.110	0.061	0.388	0.023	---	---	0.106	1985
1986	---	---	---	---	0.040	0.044	0.047	0.049	0.144	0.180	---	---	0.084	1986
1987	---	---	---	---	0.018	0.091	0.136	0.223	0.017	0.023	---	---	0.085	1987
1988	---	---	---	---	0.024	0.120	0.116	0.061	0.020	0.034	---	---	0.062	1988
MEAN	---	---	---	---	0.448	0.762	0.582	0.365	0.574	0.750	0.112	---	0.530	MEAN

LOCATION - LAT 50 50 26 N
LONG 113 34 26 W REGULATED

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO. 05BM009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	3.34 ON SEP 01	---	---	1951
1952	---	2.58 ON OCT 07	0.023 ON MAY 13	10 900	1952
1953	---	6.12 ON OCT 10 *	---	---	1953
1954	---	2.41 ON OCT 07	0 E ON MAY 25 *	16 800	1954
1955	---	5.92 ON JUL 04	0.020 ON JUN 08	19 000	1955
1956	---	4.33 ON AUG 26	0.031 ON MAY 21	14 200	1956
1957	---	2.97 ON JUN 10	0.042 ON MAY 28	14 900	1957
1958	---	3.82 ON JUL 02	0.003 ON MAY 04	13 300	1958
1959	---	3.00 ON MAY 05	0.020 ON JUL 20	14 300	1959
1960	---	2.92 ON JUN 23	0 ON OCT 16	8 750	1960
1961	---	3.06 ON MAY 22	0.006 ON JUL 10	7 080	1961
1962	---	2.76 ON OCT 19	0.008 ON MAY 17	11 700	1962
1963	---	4.70 ON JUL 09	0.040 ON MAY 28	19 900	1963
1964	---	2.92 ON OCT 12	0.008 ON JUL 16	8 740	1964
1965	---	2.97 ON JUN 18	0 ON JUL 26	14 100	1965
1966	---	3.68 ON OCT 14	0.034 ON MAY 19	10 400	1966
1967	---	2.15 ON JUN 13	0.014 ON OCT 15	8 150	1967
1968	---	2.36 ON OCT 09	0.014E ON MAY 01	9 250	1968
1969	---	1.74 ON JUL 07	0.008 ON MAY 11	2 400	1969
1970	---	3.88 ON OCT 08	0.008 ON MAY 01	11 400	1970
1971	---	2.72 ON OCT 14	0.023 ON SEP 27	9 060	1971
1972	---	2.01 ON OCT 08	0 ON AUG 31	2 890	1972
1973	---	2.79 ON OCT 07	0.025 ON SEP 27	7 120	1973
1974	---	2.10 ON JUN 27	0.028 ON SEP 16	7 490	1974
1975	---	2.52 ON MAY 16	0.019B ON OCT 29	8 140	1975
1976	---	3.48 ON SEP 11	0.054 ON MAY 17	16 300	1976
1977	---	1.61 ON OCT 07	0.018 ON AUG 01	3 130	1977
1978	---	1.95 ON OCT 06	0.034 ON OCT 30	5 350	1978
1979	---	1.36 A ON JUL 17	0.004 ON OCT 13	5 980	1979
1980	---	3.92 ON JUN 28	0 ON MAY 03	5 570	1980
1981	---	2.52 ON JUL 18	0.006 ON JUN 26	6 690	1981
1982	0.590 AT 17:27 MST ON MAY 18 *	0.320 ON MAY 19	0 ON MAY 22	708	1982
1983	---	0.578 ON SEP 29	0 ON MAY 31	1 890	1983
1984	---	0.541 ON JUN 10	0 ON MAY 01	2 560	1984
1985	---	0.707 ON SEP 28	0 ON JUN 12	1 680	1985
1986	---	0.826 ON SEP 26	0 ON MAY 03	1 110	1986
1987	---	0.449 ON AUG 18	0 ON OCT 13	1 150	1987
1988	---	0.398 ON AUG 01	0 ON MAY 01	993	1988
				8 430	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.32	1.14	1.08	---	---	---	---	---	1951
1952	---	---	---	---	---	2.03	1.54	1.08	0.981	1.85	---	---	---	1952
1953	---	---	---	---	0.970	4.29	1.35	1.92	1.39	2.15	---	---	2.00	1953
1954	---	---	---	---	0.378	1.95	1.13	2.37	2.27	1.97	---	---	1.67	1954
1955	---	---	---	---	0.163	0.457	1.42	2.09	1.19	1.39	---	---	1.12	1955
1956	---	---	---	---	0.261	1.42	1.40	1.47	1.05	1.77	---	---	1.23	1956
1957	---	---	---	---	0.285	1.09	0.500	2.03	1.16	1.66	---	---	1.12	1957
1958	---	---	---	---	0.240	1.00	1.72	1.65	1.44	1.94	---	---	1.33	1958
1959	---	---	---	---	0.344	0.818	1.16	1.91	1.26	1.81	---	---	1.22	1959
1960	---	---	---	---	0.945	0.701	0.506	1.82	1.34	1.76	---	---	1.03	1960
1961	---	---	---	---	1.28	0.430	0.578	1.92	1.25	1.82	---	---	1.22	1961
1962	---	---	---	---	0.808	1.42	1.80	2.40	2.14	2.10	---	---	1.75	1962
1963	---	---	---	---	0.418	1.25	1.27	2.47	2.17	2.49	---	---	1.73	1963
1964	---	---	---	---	0.409	1.22	1.23	1.68	1.21	2.28	---	---	1.34	1964
1965	---	---	---	---	0.421	2.15	1.29	2.24	2.01	1.86	0.546	---	1.66	1965
1966	---	---	---	---	0.327	2.21	1.97	2.87	1.76	2.85	---	---	2.00	1966
1967	---	---	---	---	1.60	1.42	1.03	2.65	1.73	2.53	1.34	---	1.83	1967
1968	---	---	---	---	2.06	1.75	1.81	2.93	1.62	2.70	---	---	2.15	1968
1969	---	---	---	---	0.247	1.61	2.75	2.74	1.86	2.44	---	---	1.95	1969
1970	---	---	---	---	0.788	2.77	1.74	2.96	2.34	1.94	---	---	2.09	1970
1971	---	---	---	---	0.704	1.91	2.43	3.00	2.19	2.17	---	---	2.07	1971
1972	---	---	---	---	0.998	2.40	3.23	3.66	2.51	2.30	---	---	2.52	1972
1973	---	---	---	---	0.422	2.47	1.53	3.17	2.18	1.46	---	---	1.87	1973
1974	---	---	---	---	0.565	1.30	2.06	2.89	1.85	1.67	---	---	1.73	1974
1975	---	---	---	---	1.47	0.966	1.4	2.99	1.75	1.54	---	---	1.70	1975
1976	---	---	---	---	0.742	2.86	3.27	4.99	1.79	1.69	---	---	2.22	1976
1977	---	---	---	---	1.61	1.80	2.17	2.54	1.41	1.58	---	---	1.86	1977
1978	---	---	---	---	0.137	1.33	3.03	3.14	0.943	1.20	---	---	1.67	1978
1979	---	---	---	---	0.193	2.14	2.99	3.35	1.86	1.33	---	---	1.98	1979
1980	---	---	---	---	1.58	2.34	3.68	2.85	2.02	2.21	---	---	2.45	1980
1981	---	---	---	---	0.826	3.63	4.75	4.08	2.56	3.04	---	---	3.15	1981
1982	---	---	---	---	1.09	4.14	3.34	5.99	2.90	2.55	---	---	3.66	1982
1983	---	---	---	---	0.653	5.32	4.60	5.13	2.95	2.75	---	---	3.58	1983
1984	---	---	---	---	1.52	5.18	4.88	4.69	1.95	1.54	---	---	3.29	1984
1985	---	---	---	---	0.051	4.77	5.51	4.52	0.829	1.03	---	---	2.78	1985
1986	---	---	---	---	0.186	5.27	6.09	5.18	2.46	1.78	---	---	3.49	1986
1987	---	---	---	---	2.60	5.92	6.33	3.43	1.57	2.01	---	---	3.64	1987
1988	---	---	---	---	1.80	3.82	5.56	4.92	1.93	1.76	---	---	3.64	1988
1989	---	---	---	---	2.36	4.59	5.11	4.60	1.30	1.37	---	---	3.22	1989
1990	---	---	---	---	1.88	3.77	6.78	3.48	2.53	1.85	---	---	3.38	1990
MEAN	---	---	---	---	0.905	2.46	2.70	2.98	1.79	1.95	0.943	---	2.17	MEAN

LOCATION - LAT 50 09 00 N
LONG 111 40 00 W

DRAINAGE AREA, 2 790 km²
REGULATED

TWELVE MILE CREEK NEAR CECIL - STATION NO. 05BN002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	4.45 ON JUN 27	---	---	1953
1954	---	6.37 ON JUN 14	0.125 ON MAY 27	31 800	1954
		3.71 ON AUG 27	0.031 ON MAY 19	26 600	
1955	---	2.35 ON AUG 13	0.006 ON MAY 08	17 900	1955
1956	---	2.27A ON JUN 21	0.023A ON JUN 02	19 500	1956
1957	---	2.61 ON AUG 17	0.142E ON MAY 02	17 800	1957
1958	---	2.63 ON JUL 23	0.014E ON MAY 01	21 200	1958
1959	---	2.44 ON AUG 24	0.059 ON MAY 04	19 400	1959
1960	---	2.55 ON AUG 24	0.003 ON MAY 21	16 400	1960
1961	---	2.49 ON MAY 21	0.006 ON MAY 02	19 300	1961
1962	---	2.97 ON SEP 09	0 ON MAY 04 *	27 800	1962
1963	---	3.45 ON SEP 02	0.003 ON MAY 13	27 500	1963
1964	---	2.71 ON OCT 13	0.020 ON MAY 22	21 300	1964
1965	---	3.11 ON SEP 03	0.025 ON MAY 17	26 300	1965
1966	---	3.68 ON OCT 23	0.014 ON MAY 13	31 800	1966
1967	---	3.40 ON AUG 17	0.190 ON JUN 02	29 100	1967
1968	---	3.17 ON OCT 16	0.007E ON MAY 01	34 200	1968
1969	---	3.26 ON JUL 30	0.031 ON MAY 13	30 900	1969
1970	---	4.70 ON JUN 19	0.028 ON MAY 09	33 100	1970
1971	---	3.54 ON AUG 29	0.034 ON MAY 14	32 900	1971
1972	---	4.33 ON JUL 30	0.071 ON MAY 02	40 000	1972
1973	---	8.47 ON JUN 18	0.018 ON MAY 12	29 700	1973
1974	---	3.68 ON AUG 19	0.119 ON MAY 07	27 400	1974
1975	---	4.22 ON AUG 07	0.096 ON MAY 18	27 000	1975
1976	---	4.39 ON AUG 05	0.007 ON MAY 03	35 300	1976
1977	---	3.20 ON AUG 09	0 E ON MAY 01	29 500	1977
1978	---	4.56 ON AUG 04	0 ON MAY 21	26 500	1978
1979	---	4.21 ON AUG 07	0.008 ON MAY 05	31 500	1979
1980	---	5.13 ON JUL 24	0 ON MAY 08	38 900	1980
1981	---	6.05 ON JUL 27	0 ON MAY 01	50 100	1981
1982	---	7.73 ON AUG 07	0.010 ON MAY 03	58 200	1982
1983	---	7.27 ON JUN 23	0.004 ON MAY 08	56 900	1983
1984	---	7.62 ON JUN 24	0.002E ON MAY 06	52 300	1984
1985	---	7.58 ON JUN 08	0 ON MAY 01	44 300	1985
1986	---	10.2 ON JUL 29 *	0.007 ON MAY 03	55 500	1986
1987	---	8.40 ON JUL 22	0.002 ON MAY 09	57 900	1987
1988	---	8.54 ON AUG 04	0.023 ON MAY 01	57 800	1988
1989	---	7.43 ON AUG 03	0.017 ON SEP 03	51 300	1989
1990	---	10.0 ON JUL 24	0.001E ON MAY 10	53 800	1990
				34 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.042	0.218	0.139	0.043	0.026	0.017	0.011	0.008	---	1963
1964	0.006	0.006	0.005	0.007	0.028	0.340	0.118	0.025	0.031	0.030	0.015	0.010	0.051	1964
1965	0.008	0.007	0.006	0.006	0.022	0.263	0.168	0.069	0.039	0.055	0.027	0.014	0.057	1965
1966	0.010	0.008	0.006	0.006	0.091	0.219	0.113	0.033	0.020	0.017	0.010	0.008	0.045	1966
1967	0.006	0.005	0.005	0.004	0.036	0.293	0.124	0.029	0.015	0.011	0.008	0.006	0.045	1967
1968	0.005	0.004	0.003	0.003	0.033	0.206	0.107	0.043	0.043	0.036	0.012	0.010	0.042	1968
1969	0.008	0.007	0.005	0.010	0.094	0.255	0.146	0.030	0.018	0.013	0.009	0.006	0.050	1969
1970	0.004	0.004	0.003	0.002	0.028	0.234	0.062	0.021	0.014	0.010	0.008	0.006	0.033	1970
1971	0.004	0.004	0.002	0.004	0.067	0.328	0.090	0.027	0.014	0.011	0.009	0.006	0.047	1971
1972	0.005	0.005	0.004	0.005	0.043	0.334	0.138	0.046	0.027	0.020	0.012	0.007	0.054	1972
1973	0.004	0.003	0.001	0.001	0.056	0.229	0.108	0.031	0.030	0.017	0.011	0.009	0.042	1973
1974	0.004	0.001	0.001	0.002	0.013	0.310	0.130	0.048	0.034	0.023	0.014	0.009	0.049	1974
1975	0.006	0.004	---	---	---	0.163	0.112	0.049	0.027	0.015	0.009	0.004	---	1975
1976	---	---	---	---	0.097	0.185	0.116	0.080	0.060	0.029	0.017	0.012	---	1976
1977	0.006	0.005	0.005	0.007	0.047	0.112	0.036	0.057	0.042	0.024	0.014	0.009	0.030	1977
1978	0.007	0.005	0.004	0.005	0.031	0.240	0.112	0.037	0.028	0.023	0.013	0.009	0.044	1978
1979	0.005	0.004	0.002	0.002	0.036	0.167	0.055	0.023	0.016	0.010	0.007	0.007	0.028	1979
1980	0.005	0.004	0.004	0.011	0.133	0.186	0.044	0.038	0.052	0.040	0.016	0.010	0.045	1980
1981	0.008	0.005	0.008	0.008	0.136	0.215	0.145	0.061	0.021	0.013	0.008	0.006	0.053	1981
1982	0.004	0.003	0.002	0.002	0.023	0.234	0.088	0.028	0.021	0.019	0.011	0.007	0.037	1982
1983	0.006	0.004	0.004	0.005	0.058	0.140	0.096	0.029	0.016	0.011	0.008	0.005	0.033	1983
1984	0.005	0.004	0.004	0.005	0.023	0.177	0.069	0.024	0.019	0.025	0.011	0.007	0.031	1984
1985	0.005	0.004	0.004	0.006	0.088	0.136	0.042	0.055	0.096	0.032	0.015	0.010	0.040	1985
1986	0.008	0.006	0.004	0.006	0.092	0.230	0.078	0.045	0.025	0.038	0.024	0.014	0.048	1986
MEAN	0.006	0.005	0.004	0.005	0.057	0.226	0.102	0.040	0.030	0.023	0.012	0.008	0.043	MEAN

LOCATION - LAT 50 57 33 N DRAINAGE AREA, 2.64 km^2
LONG 115 10 19 W NATURAL FLOW

TWIN CREEK NEAR SIERRE - STATION NO. 05HF018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963			---	---	1963
1964	0.714 AT 02:00 MST ON JUN 10	0.606 ON JUN 10			1964
	0.748 AT 10:00 MST ON JUN 08	0.694 ON JUN 08	0.004 ON MAR 07	1 620	
1965	0.705 AT 04:00 MST ON JUN 18	0.651 ON JUN 18	0.005 ON APR 16	1 810	1965
1966	0.402 AT 05:00 MST ON JUN 01	0.382 ON JUN 01	0.005 ON MAR 17	1 430	1966
1967	0.411 AT 12:30 MST ON JUN 18	0.402 ON JUN 18	0.004 ON MAR 10	1 420	1967
1968	0.345 AT 02:10 MST ON JUN 01	0.306 ON JUN 03	0.003 ON MAR 16	1 330	1968
1969	0.487 AT 16:40 MST ON JUN 04	0.402 ON JUN 04	0.005 ON MAR 10	1 590	1969
1970	0.538 AT 16:30 MST ON JUN 16	0.479 ON JUN 16	0.002 ON MAR 21	1 040	1970
1971	0.912 AT 14:00 MST ON JUN 05 *	0.818 ON JUN 05 *	0.002 ON MAR 13	1 490	1971
1972	0.620 AT 23:00 MST ON JUN 10	0.583 ON JUN 10	0.004E ON FEB 29	1 690	1972
1973	0.439 AT 23:30 MST ON JUN 23	0.408 ON JUN 24	0.001 ON MAR 11	1 120	1973
1974	0.725 AT 23:10 MST ON JUN 16	0.680 ON JUN 17	0 ON MAR 27 *	1 550	1974
1975			---	---	1975
1976	0.297 AT 20:00 MST ON JUN 24	0.261 ON JUN 25	---	---	1976
1977	0.272 AT 03:30 MST ON JUN 20	0.263 ON JUN 20		959	1977
1978	0.275 AT 20:30 MST ON JUN 01	0.241 ON JUN 08	0.005 ON JAN 24	1 380	1978
1979	0.447 AT 23:45 MST ON JUN 09	0.396 ON JUN 09	0.004 ON MAR 02	882	1979
	0.288 AT 19:00 MST ON JUN 12	0.256 ON JUN 12	0.002 ON FEB 28		
1980	0.319 AT 01:30 MST ON JUN 12	0.305 ON JUN 12	0.003 ON APR 06	1 430	1980
1981	0.474 AT 00:00 MST ON MAY 27	0.417 ON MAY 27	0.004 ON DEC 29	1 670	1981
1982	0.482 AT 20:33 MST ON JUN 15	0.453 ON JUN 16	0.002 ON JAN 06	1 160	1982
1983	0.375 AT 20:38 MST ON MAY 29	0.277 ON MAY 30	0.003 ON MAR 22	1 030	1983
1984	0.339 AT 01:15 MST ON JUN 16	0.316 ON JUN 16	0.003 ON MAR 24	982	1984
1985	0.262 AT 14:06 MST ON MAY 25	0.255 ON MAY 25	0.004 ON FEB 03	1 270	1985
1986	0.523 AT 00:04 MST ON MAY 31	0.499 ON MAY 29	0.004 ON MAR 03	1 500	1986
				1 360	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0.919	0.812	1.06	---	---	---	1923
1924	---	---	---	0	1.27	0.896	2.94	1.00	1.31	1.23	0.058	---	1.10	1924
1925	---	---	---	0	0.876	1.74	6.10	2.32	0.828	0.066	0	---	1.51	1925
1926	---	---	---	0.768	1.58	2.36	3.58	2.11	0.529	0.611	0	---	1.45	1926
1927	---	---	---	0	0.067	0.378	1.36	1.39	1.37	0.675	0	---	0.658	1927
1928	---	---	---	0	0.850	0.851	0.676	1.44	1.06	0.673	0	---	0.697	1928
1929	---	---	---	0	0.214	0.606	1.90	2.58	0.608	0.982	0.078	---	0.879	1929
1930	---	---	---	0	0.263	1.50	3.55	2.45	1.58	1.18	0.689	---	1.41	1930
1946	---	---	---	0.492	1.66	2.01	3.01	3.89	1.49	1.09	0	---	1.72	1946
1947	---	---	---	0	1.63	2.25	3.91	3.35	1.35	0.940	0.247	---	1.72	1947
1948	---	---	---	0	0.038	0.468	1.58	1.82	1.67	1.62	0.109	---	0.918	1948
1949	---	---	---	0.004	1.13	2.56	4.43	3.27	1.55	0.703	0	---	1.72	1949
1950	---	---	---	0	0.481	2.24	2.28	2.26	1.70	0.638	0	---	1.20	1950
1951	---	---	---	0	0.033	0.647	0.743	2.14	0.433	0.853	0	---	0.563	1951
1952	---	---	---	0	1.09	2.92	1.85	1.30	1.33	1.65	0	---	1.15	1952
1953	---	---	---	0.004	0.509	2.058	1.45	3.08	1.56	1.07	0.507	---	1.04	1953
1954	---	---	---	0	0.205	2.02	2.93	2.64	1.47	1.45	0	---	1.35	1954
1955	---	---	---	0	0.066	2.01	0.652	2.67	1.75	1.27	0	---	1.05	1955
1956	---	---	---	0	0.593	2.63	1.39	2.13	1.57	1.56	0	---	1.20	1956
1957	---	---	---	0	0.899	1.98	1.79	2.85	1.53	0.952	0	---	1.58	1957
1958	---	---	---	0.075	0.988	1.95	1.34	2.03	1.56	1.13	0.318	0.057	1.30	1958
1959	0.028	0.059	0.085	0.147	0.492	2.21	2.89	3.29	1.53	1.14	0	---	1.47	1959
1960	---	---	---	0.040	0.339	3.28	3.57	1.88	1.88	1.14	0.289	---	1.56	1960
1961	---	---	0.107	0.350	0.704	4.64	3.59	2.85	2.07	1.53	0.108	---	1.97	1961
1962	---	---	0.057	0.064	1.36	3.32	3.54	3.30	1.69	0.788	0.353	---	1.81	1962
1963	---	---	0.011	0.069	3.05	3.36	2.20	3.53	1.83	1.84	0.307	---	2.03	1963
1964	---	---	---	0	0.141	1.33	3.36	4.00	0.776	1.17	0.713	---	1.45	1964
1965	---	---	---	0	0.464	1.45	1.16	2.46	0.761	0.931	0.184	---	0.932	1965
1966	---	---	0	0.008	0.846	0.883	2.02	2.40	1.04	0.878	0	---	1.02	1966
1967	---	---	0	0	0	0.098	2.48	3.11	1.20	1.32	0.035	---	1.16	1967
1968	---	---	---	0	0.129	1.74	2.35	4.37	0.315	0.497	0.085	---	0.816	1968
1969	---	---	---	0	0.392	1.17	0.851	2.62	1.46	1.11	0.025	---	0.958	1969
1970	---	---	---	0	0.424	2.08	2.04	2.73	0.949	0.781	0	---	1.13	1970
1971	---	---	---	0	0.402	2.18	2.39	2.27	1.47	0.046	0	---	1.22	1971
1972	---	---	---	0	0.469	2.36	0.492	2.51	1.36	1.04	0	---	0.977	1972
1973	---	---	---	0.005	2.09	3.63	4.15	2.96	1.49	0.911	0	---	1.97	1973
1974	---	---	---	0	0	2.03	3.46	2.36	0.808	1.52	0.020	---	1.28	1974
1975	---	---	---	0	0	0.639	1.49	1.84	1.68	1.23	0	---	0.864	1975
1976	---	---	---	0	0.398	2.06	1.46	0.731	1.43	0.951	0.008	---	0.880	1976
1977	---	---	---	0.130	1.27	4.44	3.70	1.57	0.536	0.830	0	---	1.82	1977
1978	---	---	---	0	0.714	1.13	0.524	0.939	0.753	0.900	0	---	0.622	1978
1979	---	---	---	0	0.356	2.32	3.01	1.80	0.987	1.28	0	---	1.22	1979
1980	---	---	---	0	1.62	0.260	2.61	1.82	1.04	0.875	0	---	1.04	1980
1981	---	---	---	0	0.145	0.328	1.32	1.99	1.56	0.360	0	---	0.717	1981
1982	---	---	---	0	0.328	1.55	2.10	2.01	1.62	0.522	0	---	1.12	1982
1983	---	---	---	0	0.720	2.17	2.76	2.71	1.15	0.718	0	---	1.41	1983
1984	---	---	---	0	1.50	2.44	2.84	1.69	1.32	0.674	0	---	1.31	1984
1985	---	---	---	0	1.45	2.35	3.05	1.77	0.758	0.098	0	---	1.19	1985
1986	---	---	---	0.071	0.568	1.78	2.99	2.07	1.08	0.193	0	---	1.10	1986
1987	---	---	---	0	2.01	2.43	1.52	0.784	0.807	0.576	0	---	1.02	1987
1988	---	---	---	0	2.47	3.08	2.66	1.48	1.10	0.323	0	---	1.40	1988
1989	---	---	---	0.004	0.765	1.92	2.13	1.92	0.716	0.480	0	---	0.998	1989
1990	---	---	---	0	0	0.783	2.42	2.17	1.36	0.767	0	---	0.945	1990
MEAN	0.028	0.059	0.043	0.043	0.809	1.87	2.44	2.26	1.27	0.929	0.081	0.057	1.22	MEAN

LOCATION - LAT 49 13 04 N
LONG 113 37 56 W REGULATED

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	4.02 ON JUL 19	0 ON APR 01 *	23 200	1924
1925	---	8.24 ON JUL 13 *	0 ON APR 01	31 700	1925
1926	---	7.67 ON JUN 09	0 ON APR 01	30 600	1926
1927	---	1.87E ON OCT 20	0 ON APR 01	13 900	1927
1928	---	2.58 ON AUG 23	0 ON APR 01	14 700	1928
1929	---	5.32 ON AUG 03	0 ON APR 01	18 500	1929
1930	---	6.48E ON JUL 09	0 ON APR 01	29 700	1930
1946	---	5.83E ON AUG 04	0 ON APR 01	36 200	1946
1947	---	5.92 ON JUL 18	0 ON APR 01	36 300	1947
1948	---	3.88 ON JUL 07	0 ON APR 01	19 400	1948
1949	---	6.17 ON JUL 14	0 ON APR 01	36 200	1949
1950	---	5.27 ON JUN 18	0 ON APR 01	25 400	1950
1951	---	3.79 ON AUG 08	0 ON APR 01	11 900	1951
1952	---	5.01 ON JUN 11	0 ON APR 01	24 200	1952
1953	---	3.57 ON AUG 20	0 ON APR 01	21 900	1953
1954	---	3.94 ON AUG 06	0 ON APR 01	28 400	1954
1955	---	4.67 ON JUN 24	0 ON APR 01	22 200	1955
1956	---	5.01 ON JUN 14	0 ON APR 01	25 300	1956
1957	---	4.53 ON JUL 16	0 ON APR 01	33 200	1957
1958	---	3.77 ON AUG 24	0 ON MAY 06	27 500	1958
1959	---	4.98 ON AUG 06	0 ON MAY 01	31 000	1959
1960	---	5.21 ON JUN 17	0.003B ON APR 01	32 800	1960
1961	---	6.26 ON JUN 19	0.028B ON NOV 13	41 500	1961
1962	---	5.15 ON JUN 12	0 ON OCT 07	38 100	1962
1963	---	5.21 ON JUN 04	0 ON NOV 10	42 900	1963
1964	---	4.79 ON JUL 31	0 ON APR 01	30 500	1964
1965	---	3.65 ON AUG 03	0 ON APR 01	19 600	1965
1966	---	3.71 ON AUG 05	0 ON APR 01	21 400	1966
1967	---	3.99 ON SEP 12	0 ON APR 01	24 600	1967
1968	---	3.03 ON AUG 14	0 ON APR 01	17 200	1968
1969	---	3.14 ON AUG 06	0 ON APR 01	20 200	1969
1970	---	3.96 ON JUN 12	0 ON APR 01	23 900	1970
1971	---	3.79 ON JUL 28	0 ON APR 01	25 700	1971
1972	---	3.48 ON JUN 11	0 ON APR 01	20 600	1972
1973	---	5.64 ON JUN 09	0 ON APR 01	41 500	1973
1974	---	5.89 ON JUL 29	0 ON APR 01	27 000	1974
1975	---	5.35 ON JUL 30	0 E ON APR 01	18 200	1975
1976	---	4.70 ON JUN 10	0 ON APR 01	18 500	1976
1977	---	5.78 ON MAY 12	0 ON APR 01	38 300	1977
1978	---	4.11 ON MAY 15	0 ON APR 01	13 100	1978
1979	---	3.66 ON JUN 17	0 ON APR 01	25 800	1979
1980	---	3.80 ON JUL 29	0 E ON APR 01	21 900	1980
1981	---	3.08 ON AUG 11	0 ON APR 01	15 100	1981
1982	---	3.34 ON AUG 17	0 ON APR 01	25 600	1982
1983	---	3.88 ON AUG 04	0 ON APR 01	29 700	1983
1984	---	3.32 ON JUN 17	0 ON APR 01	27 700	1984
1985	---	3.33 ON JUL 16	0 ON APR 01	25 100	1985
1986	---	3.21 ON JUL 02	0 ON APR 01	23 200	1986
1987	---	3.37 ON MAY 27	0 ON APR 01	21 500	1987
1988	---	3.87 ON MAY 31	0 ON APR 01	29 400	1988
1989	---	3.15 ON JUL 09	0 ON APR 01	21 000	1989
1990	---	2.98 ON JUL 25	0 E ON APR 01	19 900	1990
				25 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED STATES ST. MARY CANAL AT INTAKE - STATION NO. 05AE028

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	12.7	16.9	9.62	1.12	0	0	---	5.79	1918
1919	---	---	---	3.56	14.6	14.1	14.0	14.2	5.01	1.52	0	---	9.61	1919
1920	---	---	---	0	2.24	13.9	15.9	11.9	0	0	0	---	6.31	1920
1921	---	---	---	0	4.06	11.8	11.1	3.98	0	0	0	---	4.42	1921
1922	---	---	---	0	1.56	8.04	11.2	10.6	6.41	0	0	---	5.41	1922
1923	---	---	---	0	6.71	13.3	11.5	10.5	1.96	0	0	---	6.30	1923
1924	---	---	---	0	8.55	10.3	13.6	16.0	3.14	0	0	---	7.41	1924
1925	---	---	---	0.256	11.4	16.3	17.3	15.8	12.1	4.43	0	---	11.1	1925
1926	---	---	---	3.85	13.9	14.9	14.7	3.28	3.14	0	0	---	7.68	1926
1927	---	---	---	0	---	---	13.6	14.1	0	0	0	---	---	1927
1928	---	---	---	0	0	14.4	10.1	11.0	1.21	0	0	---	5.53	1928
1929	---	---	---	0.721	1.89	11.1	15.1	14.8	8.69	2.92	0.210	---	7.90	1929
1930	---	---	---	0	0	10.8	18.1	16.5	5.48	0	0	---	7.30	1930
1931	---	---	---	2.07	11.7	17.4	16.3	17.8	2.78	1.99	0.536	---	10.3	1931
1932	---	---	---	7.95	16.7	15.0	19.7	19.8	5.50	0.846	0	---	12.3	1932
1933	---	---	---	0.599	13.6	16.1	20.0	19.9	0.63	0.244	0	---	11.6	1933
1934	---	---	---	3.56	21.0	19.0	23.2	20.3	0.957	0.278	0	---	12.7	1934
1935	---	---	---	0.037	12.9	18.8	23.7	19.4	8.53	0.523	0	---	12.0	1935
1936	---	---	---	0.350	15.7	22.8	24.5	15.5	2.50	1.39	0.187	---	11.8	1936
1937	---	---	---	0.847	17.2	9.69	21.7	22.5	4.85	0.014	0	---	11.1	1937
1938	---	---	---	3.89	12.1	19.7	21.1	21.7	4.15	2.08	2.38	---	12.2	1938
1939	---	---	---	4.96	18.2	21.6	22.3	14.9	0.358	1.26	5.07	---	12.0	1939
1940	---	---	---	0	13.7	19.3	21.8	11.9	0.592	0.527	7.17	---	9.74	1940
1941	---	---	---	3.12	16.6	17.6	21.2	7.98	2.29	0	0	---	9.83	1941
1942	---	---	---	8.34	20.1	5.53	21.4	18.3	14.4	0.166	0.007	---	12.6	1942
1943	---	---	---	0	0.379	17.5	16.1	16.7	15.7	1.87	0	---	8.91	1943
1944	---	---	---	3.51	15.4	13.8	13.8	10.0	1.78	0.400	0	---	8.41	1944
1945	---	---	---	2.29	18.5	17.7	18.7	18.9	16.5	2.31	0	---	13.6	1945
1946	---	---	---	12.4	17.2	19.0	18.6	17.9	16.3	0.119	0	---	14.5	1946
1947	---	---	---	0	6.38	14.9	18.4	17.8	15.9	0.161	0	---	10.2	1947
1948	---	---	---	0	3.55	8.53	15.7	16.8	14.3	0	0	---	8.43	1948
1949	---	---	---	0.901	16.8	17.5	17.4	16.9	9.79	0	0	---	11.4	1949
1950	---	---	---	0	3.81	11.6	16.4	15.3	16.3	15.2	0.283	---	11.3	1950
MEAN	---	---	---	1.92	10.5	14.6	17.5	15.0	6.31	1.22	0.480	---	9.68	MEAN

LOCATION - LAT 48 51 10 N
LONG 113 24 50 W REGULATED

INTERNATIONAL GAUGING STATION

UNITED STATES ST. MARY CANAL AT INTAKE - STATION NO. 05AE028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	17.7 ON JUN 27	0 ON APR 01 *	107 000	1918
1919	---	15.6 ON MAY 15	0 ON APR 01	178 000	1919
1920	---	18.5 ON AUG 09	0 ON APR 01	117 000	1920
1921	---	14.7 ON JUN 17	0 ON APR 01	81 800	1921
1922	---	18.4 ON AUG 16	0 ON APR 01	100 000	1922
1923	---	19.5 ON JUL 15	0 ON APR 01	116 000	1923
1924	---	20.4 ON AUG 22	0 ON APR 01	137 000	1924
1925	---	18.5A ON AUG 15	0 ON APR 01	206 000	1925
1926	---	16.8 ON MAY 24	0 ON APR 01	142 000	1926
1927	---	16.7 ON AUG 05	0 E ON APR 01	---	1927
1928	---	18.1 ON JUN 16	0 ON APR 01	102 000	1928
1929	---	15.6 ON JUL 10	0 ON APR 01	146 000	1929
1930	---	18.2 ON JUL 06	0 ON APR 01	135 000	1930
1931	---	18.4 ON JUL 03	0 ON APR 01	191 000	1931
1932	---	20.6 ON JUL 28	0 ON APR 01	227 000	1932
1933	---	20.8A ON AUG 10	0 ON APR 01	215 000	1933
1934	---	23.3 ON MAY 30	0 ON APR 01	234 000	1934
1935	---	24.3 ON JUL 26	0 ON APR 01	222 000	1935
1936	---	24.7 ON MAY 26 *	0 ON APR 01	219 000	1936
1937	---	23.3 ON AUG 01	0 ON APR 01	204 000	1937
1938	---	22.4 ON JUL 07	0 ON APR 01	225 000	1938
1939	---	22.7 ON JUL 23	0 ON APR 01	222 000	1939
1940	---	23.2 ON JUL 28	0 ON APR 01	180 000	1940
1941	---	22.3 ON JUN 01	0 ON APR 01	182 000	1941
1942	---	23.1 ON JUL 25	0 ON APR 01	233 000	1942
1943	---	18.6 ON JUL 13	0 ON APR 01	165 000	1943
1944	---	19.7 ON JUL 21	0.238 ON OCT 31	155 000	1944
1945	---	19.5 ON JUL 29	0 ON APR 01	251 000	1945
1946	---	19.3 ON JUN 22	0.085B ON OCT 30	268 000	1946
1947	---	18.7 ON JUL 10	0 ON APR 01	189 000	1947
1948	---	18.0 ON JUL 21	0 ON APR 01	156 000	1948
1949	---	18.6 ON MAY 13	0 ON APR 01	210 000	1949
1950	---	16.7 ON JUN 22	0 ON APR 01	208 000	1950
				179 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.07	0.549	0.324	0.075	---	1975
1976	0.040	0.079	0.085	1.21	0.363	0.247	0.399	0.251	---	---	---	0.029	---	1976
1977	0.071	0.088	0.054	0.518	0.367	0.487	0.745	0.269	0.224	0.426	0.108	0.052	0.306	1977
1978	0.043	0.036	0.055	0.490	1.80	1.60	0.324	0.384	2.65	1.30	0.352	0.184	1.07	1978
1979	0.106	0.090	0.076	0.268	3.70	0.812	0.332	0.317	0.450	0.324	0.180	0.093	0.788	1979
1980	0.074	0.038	0.046	0.620	0.177	0.196	0.139	0.417	0.338	0.218	0.150	0.049	0.268	1980
1981	0.063	0.057	0.064	0.292	0.953	0.212	0.130	0.069	0.148	0.189	---	---	0.260	1981
1982	---	---	0.011	0.110	1.31	0.377	0.061	0.097	0.072	0.067	---	---	0.264	1982
1983	---	---	0.050	0.278	0.478	0.070	0.268	0.370	0.109	0.205	---	---	0.229	1983
1984	---	---	0.078	0.654	0.422	---	---	1.04	0.574	0.772	---	---	---	1984
1985	---	---	0.065	0.999	4.90	0.475	0.077	0.074	0.268	0.355	---	---	0.905	1985
1986	---	---	0.050	0.541	2.45	0.762	0.528	0.326	0.176	0.294	---	---	0.643	1986
1987	---	---	0.051	0.791	0.401	0.425	0.153	0.116	0.176	0.362	---	---	0.333	1987
1988	---	---	0.046	1.11	1.67	2.34	2.25	0.336	0.634	0.413	---	---	1.10	1988
1989	---	---	0.068	0.264	2.11	0.620	0.469	0.368	0.291	0.297	---	---	0.563	1989
1990	---	---	0.086	0.555	2.26	1.98	0.382	0.114	0.147	0.152	---	---	0.708	1990
MEAN	0.066	0.065	0.060	0.580	1.56	0.758	0.447	0.317	0.488	0.395	0.223	0.080	0.578	MEAN

LOCATION - LAT 57 39 41 N LONG 111 31 11 W
DRAINAGE AREA, 274 km²
NATURAL FLOW

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	3.74 AT 11:50 MST ON APR 16	2.97A ON APR 15	0.031 ON JUN 23	---	1976
1977	3.06 AT 02:07 MST ON JUL 05	2.78 ON JUL 05	0.037B ON MAR 21	8 170	1977
1978	5.38 AT 01:50 MST ON SEP 11	5.15 ON SEP 11	0.045B ON MAR 01	22 600	1978
1979	8.14 AT 03:00 MST ON MAY 17	8.05 ON MAY 17	0.019 ON APR 22	16 700	1979
1980	3.50B AT 13:50 MST ON APR 14	1.58B ON APR 15	0.036B ON MAR 01	5 660	1980
1981	---	2.24E ON MAY 01	0.055 ON AUG 23	5 510	1981
1982	2.24B AT 21:00 MST ON MAY 17	1.95B ON MAY 18	0.002B ON APR 08 *	5 590	1982
1983	1.99 AT 05:50 MST ON JUL 30	1.78 ON JUL 30	0.005 ON JUL 12	4 850	1983
1984	---	---	0.031 ON MAY 14	---	1984
1985	18.7 AT 18:24 MST ON MAY 05 *	16.7 ON MAY 05 *	0.055 ON AUG 07	19 200	1985
1986	3.64 AT 13:40 MST ON MAY 10	3.62 ON MAY 10	0.040B ON MAR 01	13 600	1986
1987	2.72B AT 13:07 MST ON APR 08	1.47 ON APR 29	0.038 ON JUL 31	7 050	1987
1988	8.77 AT 23:53 MST ON JUN 13	7.30 ON JUN 14	0.035B ON MAR 06	23 200	1988
1989	5.03 AT 15:39 MST ON MAY 09	3.41 ON MAY 09	0.055 ON AUG 20	11 900	1989
1990	7.5E AT 21:22 MST ON JUN 14	6.72 ON JUN 14	0.059B ON MAR 28	15 000	1990
				12 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UPPER CHAIN LAKE OUTLET NEAR PONOKA - STATION NO. 05CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	0.021	0.036	0.018	0.014	0.021	---	---	---	---	1925
1926	---	---	---	---	0.055	0.042	---	---	---	---	---	---	---	1926
MEAN	---	---	---	---	0.038	0.039	0.018	0.014	0.021	---	---	---	---	MEAN

LOCATION - LAT 52 36 00 N LONG 113 28 00 W
DRAINAGE AREA, 76.9 km²
NATURAL FLOW

UPPER CHAIN LAKE OUTLET NEAR PONOKA - STATION NO. 05CD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	---	---	---	1925
1926	---	---	---	---	1926
				---	MEAN

VERDIGRIS COULEE NEAR THE MOUTH - STATION NO. 11AA038

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	0.406	0.480	0.399	0.620	0.722	0.743	0.236	---	---	1985
1986	---	---	0.400	0.377	0.422	0.232	0.156	0.243	0.374	0.340	0.013	---	0.318	1986
1987	---	---	0.025	0.030	0.100	0.313	0.144	0.290	0.276	0.225	0.015	---	0.175	1987
1988	---	---	0.007	0.004	0.058	0.050	0.010	0.001	0.003	0.009	---	---	0.018	1988
1989	---	---	0.071	0.114	0.097	0.512	0.428	0.116	0.146	0.104	0.041	---	0.198	1989
1990	---	---	0.238	0.122	0.255	0.217	0.020	0.084	0.109	0.238	---	---	0.160	1990
MEAN	---	---	0.148	0.129	0.223	0.301	0.193	0.226	0.272	0.277	0.076	---	0.174	MEAN

LOCATION - LAT 49 06 39 N LONG 111 45 31 W DRAINAGE AREA, 356 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER FLOWS ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD DURING 1986

VERDIGRIS COULEE NEAR THE MOUTH - STATION NO. 11AA038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1985	1.20 AT 18:20 MST ON OCT 09	0.972 ON SEP 12	---	---	1985
1986	1.07 AT 22:35 MST ON MAR 07	0.735 ON MAR 24	0.001 ON APR 08	6 730	1986
1987	0.694 AT 17:03 MST ON AUG 24	0.529 ON AUG 24	0 B ON MAR 01 *	3 700	1987
1988	0.370 AT 10:15 MST ON MAY 30	0.136 ON MAY 30	0 E ON MAR 06	372	1988
1989	1.75 AT 05:45 MST ON JUN 11 *	1.56 ON JUN 11 *	0 B ON MAR 01	4 190	1989
1990	1.41 AT 19:14 MST ON MAR 18	0.780 ON MAR 18	0 ON JUL 13	3 390	1990
				3 680	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERDIGRIS LAKE TRIBUTARY NEAR MILK RIVER - STATION NO. 11AA039

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	0	0.006	0.016	0	0	0	0.001	0	0	---	---	0.003	1987
1988	---	0	0.001	0.001	0	0	0	0	0	0	---	---	0	1988
1989	---	0	0.166	0.016	0.006	0.297	0	0	0	0	---	---	0.054	1989
1990	---	0.049	0.068	0.018	0.075	0.007	0	0	0	0	---	---	0.024	1990
MEAN	---	0.012	0.060	0.013	0.020	0.076	0	0	0	0	---	---	0.020	MEAN

LOCATION - LAT 49 13 32 N LONG 112 05 29 W DRAINAGE AREA, 73 km² NATURAL FLOW

VERDIGRIS LAKE TRIBUTARY NEAR MILK RIVER - STATION NO. 11AA039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1987	0.092 AT 07:35 MST ON APR 06	0.066 ON APR 06	0B ON FEB 01 *	61.2	1987
1988	0.015 AT 22:50 MST ON MAR 31	0.009 ON APR 03	0B ON FEB 01	6.57	1988
1989	8.29 AT 10:15 MST ON JUN 11 *	6.74 ON JUN 11 *	0B ON FEB 01	1 270	1989
1990	2.14 AT 03:30 MST ON MAY 25	1.08 ON MAY 25	0B ON FEB 11	567	1990
				476	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER AT LEA PARK - STATION NO. 05EE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	---	0.043	0.046	0.042	---	1964
1965	0.042	0.032	0.028	21.6	11.2	7.02	4.91	7.26	3.84	1.23	0.772	0.764	4.90	1965
1966	0.287	0.274	0.875	9.49	3.02	1.10	0.400	0.286	0.237	0.181	0.163	0.127	1.36	1966
1967	0.087	0.113	0.175	0.931	7.11	1.65	0.375	0.076	0.026	0.068	0.093	0.104	0.910	1967
1968	0.054	0.085	10.8	5.45	1.72	0.532	0.148	0.135	0.464	0.612	0.309	0.247	1.72	1968
1969	0.271	0.203	0.195	21.7	12.1	2.17	1.31	0.593	0.231	0.264	---	---	---	1969
1970	---	---	---	---	4.25	1.56	2.16	1.23	0.473	0.399	---	---	---	1970
MEAN	0.148	0.141	2.41	11.8	6.57	2.34	1.55	1.60	0.879	0.400	0.277	0.257	2.22	MEAN

LOCATION - LAT 53 39 20 N LONG 110 20 20 W DRAINAGE AREA, 7 940 km² REGULATED

VERMILION RIVER AT LEA PARK - STATION NO. 05EE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	77.3 ON APR 14 *	0.028B ON FEB 21	154 000	1965
1966	---	20.9 ON APR 06	0.020B ON DEC 27	43 000	1966
1967	---	15.6 ON MAY 22	0.017 ON AUG 15 *	28 700	1967
1968	---	24.9B ON MAR 06	0.045B ON JAN 09	54 400	1968
1969	---	74.5 ON APR 13	0.108 ON OCT 01	---	1969
1970	---	---	---	---	1970
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		70 000	MEAN

VERMILION RIVER AT VEGREVILLE - STATION NO. 05EE009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0.001	3.34	0.011	0.001	0	0	0.011	0.001	---	---	0.412	1987
1988	---	---	0.002	0.030	0.001	0.082	0.007	0.039	0.002	0.001	---	---	0.020	1988
1989	---	---	0.003	1.04	0.030	0.022	0.004	0.006	0.002	0.004	---	---	0.137	1989
1990	---	---	1.53	3.21	0.093	0.003	0.729	0.017	0.013	0.015	---	---	0.696	1990
MEAN	---	---	0.384	1.91	0.034	0.027	0.185	0.016	0.007	0.005	---	---	0.316	MEAN

LOCATION - LAT 53 29 28 N LONG 112 02 18 W
DRAINAGE AREA, 1 630 km^2
NATURAL FLOW

VERMILION RIVER AT VEGREVILLE - STATION NO. 05EE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	17.0 B AT 02:00 MST ON APR 10 *	14.2 B ON APR 10 *	0B ON MAR 01 *	8 720	1987
1988	1.28 AT 17:37 MST ON AUG 20	0.686 ON AUG 21	0 ON MAR 01	429	1988
1989	---	1.80 B ON APR 08	0B ON MAR 01	2 900	1989
1990	---	13.6 B ON APR 02	0B ON MAR 01	14 700	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 690	MEAN

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE915

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.332	0.002	0	0	0	0	0	---	---	0.047	1981
1982	---	---	---	0.150	0.353	0	1.88	0.116	0.008	0	---	---	0.363	1982
1983	---	---	0.001	1.31	0.006	1.21	2.40	0.006	0	0	---	---	0.702	1983
MEAN	---	---	0.001	0.597	0.121	0.40	1.43	0.041	0.003	0	---	---	0.371	MEAN

LOCATION - LAT 53 10 37 N LONG 112 04 06 W
DRAINAGE AREA, 401 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE915

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	1.44 AT 23:16 MST ON APR 04	1.37 ON APR 04	0 ON MAY 07 *	865	1981
1982	2.49 AT 15:10 MST ON JUL 09	2.48 ON JUL 09	0B ON APR 01	6 700	1982
1983	10.5 AT 11:25 MST ON JUN 28 *	7.92 ON JUN 28 *	0 ON MAY 13	13 000	1983
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 860	MEAN

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE913

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.081	0.006	0	0.022	0.027	0	0	---	---	---	1981
1982	---	---	---	0.002	0.123	0.005	0.456	0.008	0.001	0	---	---	---	1982
1983	---	---	0	0.286	0	0.237	0.281	0.001	0.007	0	---	---	0.101	1983
1984	---	---	0.044	0.011	0	0.016	0.001	0	0.004	0	---	---	0.010	1984
1985	---	---	0.036	0.364	0.020	0.004	0	0	0	0	---	---	0.052	1985
1986	---	---	0.240	0.027	0.003	0	0.016	0.008	0	0	---	---	0.037	1986
1987	---	---	---	0.156	0	0	0	0	0.014	0	---	---	---	1987
1988	---	---	0	0.025	0	0.028	0	0	0	0	---	---	0.007	1988
1989	---	---	---	0.041	0	0	0.002	0	0.004	0	---	---	---	1989
1990	---	---	---	0.069	0	0	0.324	0.003	0	0	---	---	---	1990
MEAN	---	---	0.064	0.106	0.015	0.029	0.110	0.005	0.003	0	---	---	0.041	MEAN

LOCATION - LAT 53 07 49 N LONG 112 24 32 W
DRAINAGE AREA, 56.4 km^2
NATURAL FLOW

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE913

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.582 AT 17:00 MST ON MAR 28	0.392 ON MAR 28	0B ON MAR 12 *	---	1981
1982	1.24 AT 16:41 MST ON JUL 06	1.21 ON JUL 07	0B ON APR 01	---	1982
1983	2.21 AT 08:41 MST ON JUN 28 *	1.91 ON JUL 03	0B ON MAR 01	2 130	1983
1984	0.654 AT 11:07 MST ON MAR 29	0.397 ON MAR 29	0B ON MAR 01	202	1984
1985	2.17 AT 08:43 MST ON APR 07	2.11 ON APR 07 *	0B ON MAR 01	1 100	1985
1986	1.38 AT 09:05 MST ON MAR 22	0.721 ON MAR 22	0B ON MAR 01	485	1986
1987	0.996 AT 12:35 MST ON APR 08	0.906 ON APR 08	0B ON APR 01	---	1987
1988	---	0.359A ON JUN 10	0B ON MAR 01	139	1988
1989	---	0.515 ON APR 15	0B ON APR 01	---	1989
1990	1.12 AT 16:00 MST ON JUL 20	1.04 E ON JUL 08	0 ON APR 16	---	1990
				871	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR HAZELDINE - STATION NO. 05EE004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.215	18.8	22.0	4.73	2.82	1.21	0.414	0.348	---	---	6.30	1971
1972	---	---	0.784	15.3	15.0	2.96	0.888	0.533	0.325	0.328	---	---	4.49	1972
1973	---	---	0.111	14.8	6.45	2.96	3.65	7.43	11.0	4.68	---	---	6.34	1973
1974	---	---	0.324	54.9	65.7	17.0	4.29	1.70	---	---	---	---	---	1974
1975	---	---	0.242	4.12	8.52	3.23	1.23	0.559	0.314	0.296	---	---	2.31	1975
1976	---	---	0.209	3.75	1.20	0.840	0.919	0.377	0.141	0.165	---	---	0.942	1976
1977	---	---	0.167	1.92	2.07	0.879	0.168	0.119	0.109	0.182	---	---	0.612	1977
1978	---	---	0.337	3.72	1.35	0.730	0.114	0.193	0.179	1.04	---	---	0.950	1978
1979	---	---	0.210	12.5	21.8	---	---	---	---	---	---	---	---	1979
MEAN	---	---	0.289	14.3	16.0	4.17	1.76	1.52	1.78	1.01	---	---	3.13	MEAN

LOCATION - LAT 53 37 37 N, LONG 110 25 20 W
DRAINAGE AREA, 7 830 km^2
REGULATED

VERMILION RIVER NEAR HAZELDINE - STATION NO. 05EE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	61.2 AT 21:00 MST ON APR 15	53.5 ON APR 16	0.198B ON MAR 01	133 000	1971
1972	---	41.1 ON APR 15	0.127B ON MAR 01	95 100	1972
1973	54.9 AT 15:00 MST ON APR 12	52.4 ON APR 12	0.082B ON MAR 01	134 000	1973
1974	157 AT 16:00 MST ON APR 20 *	154 ON APR 20 *	---	---	1974
1975	---	18.7 B ON APR 23	0.227B ON MAR 09	48 900	1975
1976	11.0 AT 09:30 MST ON APR 09	10.4 ON APR 09	0.116 ON SEP 18	19 900	1976
1977	4.45 AT 14:00 MST ON MAY 17	4.25 ON MAY 17	0.093 ON SEP 03	13 000	1977
1978	11.4 AT 21:00 MST ON APR 22	11.2 ON APR 22	0.028B ON MAR 01 *	20 100	1978
1979	36.4 AT 11:55 MST ON MAY 02	35.9 ON MAY 02	---	---	1979
				66 300	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	0.001	0.058	0.107	0.061	---	1958
1959	0.069	0.054	0.100	0.461	0.489	0.197	0.132	0.119	0.121	0.250	0.142	0.135	0.233	1959
1960	0.115	0.058	0.408	5.16	2.52	0.887	0.864	0.290	0.055	0.036	0.117	0.110	1.27	1960
1961	0.075	0.018	0.039	1.44	1.62	0.366	0.333	0.004	0.001	0.020	0.034	0.041	0.477	1961
1962	0.032	0.040	0.065	4.77	5.16	4.21	2.81	3.17	1.78	0.904	0.505	0.194	2.85	1962
1963	0.076	0.004	0.331	22.5	15.2	2.88	0.958	0.888	0.899	0.972	0.658	0.412	5.54	1963
1964	0.130	0.074	0.165	1.36	0.686	0.195	0.060	0.005	0.043	0.009	0.025	0.045	0.313	1964
1965	0.062	0.088	0.088	7.29	10.3	5.30	6.37	4.28	2.02	0.739	0.279	0.163	4.55	1965
1966	0.038	0.028	0.501	5.43	2.25	0.430	0.134	0.347	0.368	0.008	0.020	0.026	1.17	1966
1967	0.013	0.003	0.014	1.54	5.05	1.84	0.144	0.107	0	0	0	0	1.09	1967
1968	0.002	0.278	4.07	4.46	1.51	0.246	0.096	0.035	0.172	0.201	0.094	0.068	1.35	1968
1969	0.013	0.022	0.066	8.82	6.88	1.45	0.327	0.042	0.013	0.092	0.072	0.090	2.20	1969
1970	0.015	0.008	0.008	3.49	3.19	0.841	1.31	0.327	0.278	0.457	---	---	1.23	1970
1976	---	---	0.127	2.00	0.802	0.813	0.397	0.095	0.069	0.037	---	---	0.537	1976
1977	---	---	0.059	0.966	1.38	0.668	0.029	0.013	0.029	0.044	---	---	0.397	1977
1978	---	---	0.154	1.90	1.04	0.724	0.389	0.180	0.449	1.60	---	---	0.799	1978
1979	---	---	0.558	11.6	14.2	1.29	1.72	0.288	0.028	0.069	---	---	3.71	1979
1980	---	---	0.038	6.06	1.92	0.322	0.182	0.180	0.195	0.177	---	---	1.12	1980
1981	---	---	2.52	8.82	0.923	0.293	0.037	0.008	0	0	---	---	1.56	1981
1982	---	---	0	0.838	1.70	0.553	2.71	1.54	0.045	0.011	---	---	0.931	1982
1983	---	---	0.079	2.02	0.929	0.211	15.6	2.28	---	---	---	---	---	1983
MEAN	0.053	0.056	0.470	5.05	3.89	1.19	1.73	0.710	0.328	0.284	0.171	0.112	1.65	MEAN

LOCATION - LAT 53 22 30 N, LONG 111 10 30 W
DRAINAGE AREA, 5 740 km^2
NATURAL FLOW

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	1.07	0.231	0.204	---	---	---	1979
1980	---	---	0.019	6.91	3.07	0.555	0.403	0.150	0.261	0.368	---	---	1.45	1980
1981	---	---	1.88	11.3	1.54	0.260	0.061	0.042	0	0.029	---	---	1.87	1981
1982	---	---	0	0.388	1.82	0.386	1.24	4.57	0.466	0.141	---	---	1.13	1982
1983	---	---	0.097	1.66	1.41	0.097	11.8	5.97	0.512	0.352	---	---	3.02	1983
1984	---	---	0.856	9.42	1.26	1.07	0.229	0.032	0.041	0.096	---	---	1.60	1984
1985	---	---	0.782	10.8	4.05	1.13	0.327	0.026	---	---	---	---	---	1985
1986	---	---	1.74	11.7	3.07	0.600	0.412	0.259	0.053	0.044	---	---	2.21	1986
1987	---	---	0.013	8.21	2.76	0.586	0.068	0.016	0.398	0.114	---	---	1.50	1987
1988	---	---	0.050	0.471	0.019	0.046	0.262	0.029	0.110	0.039	---	---	0.127	1988
1989	---	---	0	1.91	1.32	0.386	0.247	0.138	0.182	0.049	---	---	0.526	1989
1990	---	---	0.636	16.2	3.36	0.430	0.710	0.832	0.071	0.041	---	---	2.76	1990
MEAN	---	---	0.552	7.18	2.15	0.504	1.61	1.09	0.213	0.134	---	---	1.62	MEAN

LOCATION - LAT 53 29 20 N DRAINAGE AREA, 7 270 km²
LONG 110 23 51 W NATURAL FLOW

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---	15.6 ON APR 16	0.014 ON AUG 10	30 800	1980
1981	19.0 AT 09:30 MST ON APR 08	10.8 ON APR 07	0 ON JUL 27 *	19 500	1981
1982	7.44 AT 10:16 MST ON AUG 11	7.18 ON AUG 11	0 B ON MAR 01	24 000	1982
1983	24.1 AT 10:53 MST ON JUL 24	24.0 ON JUL 24	0.006A ON JUN 16	63 900	1983
1984	---	24.6 B ON APR 02	0.002 ON AUG 31	33 900	1984
1985	14.6 AT 21:23 MST ON APR 22	14.5 ON APR 22	0 B ON MAR 01	---	1985
1986	18.0 AT 13:11 MST ON APR 17	17.4 ON APR 16	0 B ON MAR 01	46 800	1986
1987	16.4 AT 04:04 MST ON APR 14	16.1 ON APR 14	0.005B ON MAR 13	31 900	1987
1988	2.37 AT 14:55 MST ON JUL 06	1.92 ON JUL 06	0 ON JUN 04	2 690	1988
1989	2.72 AT 22:32 MST ON MAY 03	2.41 ON APR 17	0 B ON MAR 01	11 100	1989
1990	49.6 B AT 10:20 MST ON APR 05 *	48.6 B ON APR 05 *	0.022 ON OCT 04	58 300	1990
				34 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---	15.6 ON APR 16	0.014 ON AUG 10	30 800	1980
1981	19.0 AT 09:30 MST ON APR 08	10.8 ON APR 07	0 ON JUL 27 *	19 500	1981
1982	7.44 AT 10:16 MST ON AUG 11	7.18 ON AUG 11	0 B ON MAR 01	24 000	1982
1983	24.1 AT 10:53 MST ON JUL 24	24.0 ON JUL 24	0.006A ON JUN 16	63 900	1983
1984	---	24.6 B ON APR 02	0.002 ON AUG 31	33 900	1984
1985	14.6 AT 21:23 MST ON APR 22	14.5 ON APR 22	0 B ON MAR 01	---	1985
1986	18.0 AT 13:11 MST ON APR 17	17.4 ON APR 16	0 B ON MAR 01	46 800	1986
1987	16.4 AT 04:04 MST ON APR 14	16.1 ON APR 14	0.005B ON MAR 13	31 900	1987
1988	2.37 AT 14:55 MST ON JUL 06	1.92 ON JUL 06	0 ON JUN 04	2 690	1988
1989	2.72 AT 22:32 MST ON MAY 03	2.41 ON APR 17	0 B ON MAR 01	11 100	1989
1990	49.6 B AT 10:20 MST ON APR 05 *	48.6 B ON APR 05 *	0.022 ON OCT 04	58 300	1990
				34 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	1.87	0.664	0.009	0	0	0.002	0.099	0.110	---	---	0.346	1968
1969	---	---	0.033	6.98	0.750	0.343	0.006	0	0	0	---	---	0.996	1969
1970	---	---	0.034	2.43	0.500	0.031	0.157	0.042	0.012	0.005	---	---	0.397	1970
1971	---	---	0	7.59	1.43	0.176	0.257	0.069	0.015	0.001	---	---	1.17	1971
1972	---	---	0	6.50	1.49	0.045	0.003	0.001	0	0	---	---	0.960	1972
1973	---	---	0.211	1.87	0.588	2.17	6.31	5.25	0.889	0.208	---	---	2.44	1973
1974	---	---	0.014	25.9	16.8	1.32	0.271	0.014	0.003	0.001	---	---	5.51	1974
1975	---	---	0.007	1.98	1.59	0.018	0	0	0	0	---	---	0.447	1975
1976	---	---	0.135	0.812	0.003	0	0	0	0	0	---	---	0.117	1976
1977	---	---	0	0.053	---	0.259	0.002	0	0	0	---	---	---	1977
1978	---	---	0.010	0.426	0.048	0.002	0	0	1.55	0.441	---	---	0.305	1978
1979	---	---	0.294	11.8	2.28	0.080	0.045	0.004	0	0	---	---	1.79	1979
1980	---	---	0	2.30	0.178	0	0	0	0	0	---	---	0.304	1980
1981	---	---	1.61	1.07	0.071	0	0	0.012	0	0	---	---	0.346	1981
1982	---	---	0	0.481	0.364	0.005	6.16	0.447	0.382	0.118	---	---	1.00	1982
1983	---	---	0.020	1.72	0.003	3.94	10.9	0.485	0.009	0.003	---	---	2.14	1983
1984	---	---	0.833	0.971	0.008	0.025	0.002	0	0	0	---	---	0.229	1984
1985	---	---	1.26	5.10	0.733	0.154	0	0	0	0	---	---	0.896	1985
1986	---	---	3.93	4.06	0.038	0.011	0.001	0.002	0	0	---	---	1.00	1986
MEAN	---	---	0.540	4.46	1.49	0.452	1.21	0.316	0.148	0.044	---	---	1.13	MEAN

LOCATION - LAT 53 27 54 N LONG 112 03 52 W DRAINAGE AREA, 1 590 km²
NATURAL FLOW

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	0R ON JUN 30 *	---	1967
1968	---	6.31 ON MAR 07	0 ON MAY 30	7 320	1968
1969	---	13.3 ON APR 12	0B ON MAR 01	21 100	1969
1970	---	6.48 ON APR 13	0B ON MAR 01	8 390	1970
1971	21.6 AT 03:00 MST ON APR 18	20.7 ON APR 18	0B ON MAR 01	24 900	1971
1972	16.5 AT 13:40 MST ON APR 15	12.2 ON APR 15	0B ON MAR 01	20 900	1972
1973	19.8 AT 06:00 MST ON JUL 07	18.5 ON JUL 07	0B ON MAR 01	51 600	1973
1974	77.3 AT 06:10 MST ON APR 20 *	74.5 ON APR 20 *	0 ON OCT 22	117 000	1974
1975	10.4 B AT 15:00 MST ON APR 25	9.57B ON APR 25	0 ON JUN 16	9 460	1975
1976	---	2.14 ON APR 12	0B ON MAR 01	2 470	1976
1977	---	---	0B ON MAR 01	---	1977
1978	5.10 AT 09:00 MST ON SEP 21	5.01 ON SEP 21	0B ON MAR 01	6 450	1978
1979	25.3 AT 22:30 MST ON APR 20	24.3 ON APR 20	0B ON MAR 01	37 900	1979
1980	6.42 AT 05:15 MST ON APR 14	6.26 ON APR 14	0B ON MAR 01	6 430	1980
1981	---	6.77B ON MAR 19	0B ON MAR 01	7 310	1981
1982	16.2 AT 00:44 MST ON JUL 08	15.8 ON JUL 08	0B ON MAR 01	21 200	1982
1983	22.6 AT 06:00 MST ON JUL 02	22.3 ON JUL 02	0B ON MAR 01	45 300	1983
1984	---	3.91B ON MAR 31	0 ON JUL 21	4 840	1984
1985	11.9 AT 14:00 MST ON APR 04	11.1 B ON APR 04	0B ON MAR 01	19 000	1985
1986	22.3 AT 17:00 MST ON MAR 31	21.6 ON MAR 31	0 ON JUN 22	21 200	1986
				24 000	MEAN

B - ICE CONDITIONS * - EXTREMS RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	0	0.239	0.027	---	---	---	1978
1979	---	---	0.026	0.849	0.016	0	0	0	0	0	---	---	0.109	1979
1980	---	---	0	0.098	0.002	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0.120	0.030	0	0	0	0	0	0	---	---	0.019	1981
1982	---	---	0	0.008	0.029	0.013	0.127	0.002	0	0	---	---	0.023	1982
1983	---	---	0	0.051	0.001	0.241	0.654	0.159	0.011	0	---	---	0.140	1983
1984	---	---	0.122	0.094	0	0	0	0	0	0	---	---	0.027	1984
1985	---	---	0.066	0.380	0.017	0.001	0	0	0	0	---	---	0.057	1985
1986	---	---	0.315	0.247	0.005	0	0	0	0	0	---	---	0.071	1986
1987	---	---	0	0.493	0.012	0	0	0	0	0	---	---	0.062	1987
1988	---	---	0	0.003	0	0.001	0	0.001	0	0	---	---	0.001	1988
1989	---	---	0	0.093	0.001	0.002	0.010	0	0.013	0.029	---	---	0.018	1989
1990	---	---	0.106	0.341	0	0	0	0	0	0	---	---	0.055	1990
MEAN	---	---	0.063	0.224	0.007	0.022	0.066	0.012	0.020	0.004	---	---	0.050	MEAN

LOCATION - LAT 53 17 42 N LONG 112 02 54 W DRAINAGE AREA, 46.9 km²
NATURAL FLOW

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.85 ON APR 19	0B ON MAR 01 *	2 310	1979
1980	---	0.667 ON APR 12	0B ON MAR 01	259	1980
1981	---	0.435B ON MAR 20	0B ON MAR 01	400	1981
1982	---	0.820E ON JUL 05	0B ON MAR 01	476	1982
1983	1.98 AT 05:10 MST ON JUN 29	1.79 ON JUN 29	0B ON MAR 01	2 960	1983
1984	---	0.710B ON MAR 28	0B ON MAR 01	570	1984
1985	1.38 B AT 00:00 MST ON APR 02	1.29 B ON APR 01	0B ON MAR 01	1 210	1985
1986	2.64 AT 13:37 MST ON MAR 30 *	1.91 ON MAR 30 *	0B ON MAR 01	1 500	1986
1987	1.59 B AT 21:02 MST ON APR 05	1.29 B ON APR 06	0B ON MAR 01	1 310	1987
1988	---	0.032B ON APR 04	0 ON MAR 01	14.6	1988
1989	0.473 AT 02:45 MST ON OCT 22	0.311B ON APR 05	0B ON MAR 01	385	1989
1990	1.47 AT 04:02 MST ON APR 02	1.35 B ON APR 02	0B ON MAR 01	1 170	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 050	MEAN

VIXEN CREEK NEAR BELLOY - STATION NO. 07FD921

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.011	1.00	0.027	0.019	0	0.047	0.002	---	---	---	1984
1985	---	---	---	0.350	0.020	0	0	0	0	0	---	---	---	1985
1986	---	---	---	---	0.290	0.001	0	0	0	0	---	---	---	1986
1987	---	---	---	---	0	0	0	0	0	0	---	---	---	1987
1988	---	---	---	0.007	0	0.001	0.114	0	0	0	---	---	---	1988
1989	---	---	---	0.430	0.092	0.054	0	0	0	0.056	---	---	---	1989
1990	---	---	---	0.394	0.045	2.63	0.003	0	0	0	---	---	---	1990
MEAN	---	---	---	0.238	0.207	0.388	0.019	0	0.007	0.008	---	---	---	MEAN

LOCATION - LAT 55 48 30 N, LONG 118 09 20 W DRAINAGE AREA, 125 km^2, NATURAL FLOW

REMARKS - 1983 DATA NOT PUBLISHED IN 1983. NEW STA. IN 1983 AND INSUFFICIENT DATA FOR THE CURVE UNTIL 1984

VIXEN CREEK NEAR BELLOY - STATION NO. 07FD921

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	11.0 AT 14:38 MST ON MAY 22	9.71 ON MAY 22	0B ON MAR 16 *	---	1984
1985	2.01 AT 18:22 MST ON MAY 13	1.52 B ON APR 02	0 ON APR 24	---	1985
1986	6.85 AT 14:17 MST ON MAR 01	5.87 B ON MAR 01	0 ON JUN 03	---	1986
1987	10.? F AT 12:19 MST ON APR 03	9.13 B ON APR 03	0B ON MAR 31	---	1987
1988	1.0C AT 15:15 MST ON JUL 13	0.868 ON JUL 14	0B ON MAR 29	---	1988
1989	---	3.10 B ON APR 12	0B ON MAR 23	---	1989
1990	43.7 AT 14:08 MST ON JUN 12 *	26.8 ON JUN 13 *	0B ON MAR 05	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

VOGEL CREEK NEAR THE MOUTH - STATION NO. 07AC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 58 N, LONG 118 27 07 W DRAINAGE AREA, 11.4 km^2, NATURAL FLOW

DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

VOGEL CREEK NEAR THE MOUTH - STATION NO. 07AC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
				---	MEAN

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	---	---	---	1.98	1.37	---	---	---	1927
1928	---	---	---	0.438	0.847	0.632	0.856	0.677	0.474	0.456	---	---	---	1928
1929	---	---	---	0.270	0.520	0.527	0.361	0.219	0.131	0.109	---	---	---	1929
1930	---	---	---	0.165	0.071	0	0	0	0	0	---	---	---	1930
1931	---	---	---	0	---	---	---	---	---	---	---	---	---	1931
1969	---	---	---	---	---	0.007	0.020	0.067	0.062	0.046	---	---	---	1969
1970	---	---	0	0.732	0.097	0.068	0.096	0.070	0.052	0.058	---	---	0.145	1970
1971	---	---	0.007	1.41	0.225	0.278	2.00	0.324	0.119	0.089	---	---	0.557	1971
1972	---	---	0.369	1.70	0.730	0.300	0.177	0.152	0.111	0.069	---	---	0.448	1972
1973	---	---	0.112	0.203	0.219	0.376	0.187	0.139	0.080	0.136	---	---	0.181	1973
1974	---	---	0.025	5.53	4.55	1.86	2.22	1.28	0.900	0.689	---	---	2.12	1974
1975	---	---	0.368	1.05	0.676	0.485	0.286	0.049	0.039	0.033	---	---	0.371	1975
1976	---	---	0.050	0.466	0.136	0.102	0.235	0.194	0.079	0.053	---	---	0.169	1976
1977	---	---	0.049	0.308	0.778	0.446	0.050	0.050	0.048	0.060	---	---	0.228	1977
1978	---	---	0.218	0.297	0.257	0.233	0.589	0.083	0.649	0.329	---	---	0.331	1978
1979	---	---	0.723	1.44	1.22	0.889	0.779	0.769	0.428	0.173	---	---	0.801	1979
1980	---	---	0.124	1.18	0.340	0.397	0.231	0.341	0.365	0.243	---	---	0.400	1980
1981	---	---	0.663	0.524	0.220	0.141	0.148	0.117	0.021	0.045	---	---	0.235	1981
1982	---	---	0.036	1.69	0.749	0.115	4.03	2.30	2.07	1.48	---	---	1.56	1982
1983	---	---	0.450	0.633	0.505	0.535	0.850	0.834	0.775	0.228	---	---	0.600	1983
1984	---	---	0.119	0.083	0.107	0.298	0.030	0.017	0.090	0.042	---	---	0.098	1984
1985	---	---	0.219	1.25	0.272	0.102	0.034	0.140	0.148	0.156	---	---	0.287	1985
1986	---	---	0.976	0.573	0.576	0.289	0.044	0.443	0.315	0.484	---	---	0.570	1986
1987	---	---	0.480	1.27	0.552	0.199	0.057	0.131	0.056	0.058	---	---	0.349	1987
1988	---	---	0.041	0.230	0.080	0.169	0.032	0.131	0.055	0.038	---	---	0.197	1988
1989	---	---	0.026	0.783	0.986	0.280	1.32	0.422	0.164	0.106	---	---	0.512	1989
1990	---	---	0.722	0.594	1.13	0.918	3.13	0.039	0.060	0.180	---	---	0.851	1990
MEAN	---	---	0.277	0.913	0.652	0.386	0.776	0.360	0.358	0.259	---	---	0.524	MEAN

LOCATION - LAT 53 27 42 N DRAINAGE AREA, 513 km²
LONG 114 22 00 W NATURAL FLOW

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	0.583 CN JUN 18	0 B CN APR 01 *	---	1929
1930	---	0.252 CN MAY 07	0 B CN APR 01	---	1930
1931	---	---	0 CN APR 01	---	1931
1969	---	---	0 CN JUN 16	---	1969
1970	---	2.38 B CN APR 08	0 B CN MAR 01	3 070	1970
1971	6.65 AT 02:00 MST CN JUL 12	6.34 CN JUL 11	0.003E CN MAR 01	11 800	1971
1972	5.24E AT 03:00 MST CN APR 08	4.70 B CN APR 07	0.006E CN MAR 01	9 480	1972
1973	2.64 AT 10:40 MST CN JUN 25	1.91 CN JUN 25	0.014E CN MAR 01	3 830	1973
1974	15.4 B AT 16:00 MST CN APR 18	14.6 B CN APR 19 *	0.014E CN MAR 01	45 000	1974
1975	---	2.69 B CN APR 21	0.031E CN SEP 24	7 850	1975
1976	---	0.934E CN APR 03	0.021E CN MAR 01	3 580	1976
1977	3.57 AT 03:50 MST CN MAY 30	3.23 CN MAY 30	0.021 CN JUL 24	4 820	1977
1978	3.72 AT 15:30 MST CN JUL 11	3.20 CN JUL 12	0.021E CN MAR 01	7 010	1978
1979	17.6 AT 00:00 MST CN APR 24 *	6.57 B CN APR 23	0.034E CN MAR 01	17 000	1979
1980	3.14E AT 12:00 MST CN APR 12	2.40 B CN APR 12	0.08E CN AUG 02	8 470	1980
1981	3.60 AT 09:25 MST CN MAR 18	2.02 B CN MAR 18	0.01E CN SEP 15	4 970	1981
1982	11.6 AT 05:45 MST CN JUL 08	11.1 CN JUL 08	0.020E CN MAR 01	33 100	1982
1983	3.20E AT 13:50 MST CN APR 04	2.33 CN JUN 27	0.03E CN OCT 18	12 700	1983
1984	2.10 AT 08:30 MST CN JUN 08	1.92 CN JUN 08	0.00E CN AUG 02	2 070	1984
1985	5.15E AT 05:00 MST CN APR 03	4.25 B CN APR 03	0.00E CN MAR 06	6 080	1985
1986	4.52 AT 11:10 MST CN JUL 19	4.18 CN JUL 19	0.12E CN APR 05	12 100	1986
1987	---	2.83 B CN APR 03	0.00E CN AUG 17	7 390	1987
1988	8.07 AT 23:00 MST CN JUL 06	5.32 CN JUL 07	0.00E CN MAR 01	4 180	1988
1989	6.18 AT 15:17 MST CN JUL 11	5.51 CN JUL 11	0.02E CN MAR 23	10 600	1989
1990	13.4 AT 09:43 MST CN JUL 05	12.1 CN JUL 05	0.00E CN AUG 10	18 000	1990
				11 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	---	---	73.4	65.0	59.6	41.4	---	---	---	1963
1964	---	---	6.47	33.4	282	198	69.0	239	183	110	78.3	42.4	---	1964
1965	25.7	20.5	18.9	---	---	135	93.2	62.0	85.9	79.3	106	73.5	---	1965
1966	14.6	15.4	15.1	38.5	99.5	71.8	36.8	36.5	38.6	25.0	16.5	10.7	36.7	1966
1967	7.79	6.18	5.17	10.5	374	172	92.6	41.8	31.5	25.6	13.2	6.14	66.3	1967
1968	4.63	3.21	3.21	59.2	192	94.9	109	66.5	50.7	51.3	35.1	13.7	57.2	1968
1969	7.96	5.52	5.18	---	---	91.1	38.3	21.6	51.0	126	79.6	52.6	---	1969
1970	24.0	16.4	14.7	---	---	93.4	314	131	81.6	---	---	---	---	1970
MEAN	13.8	11.0	9.82	35.4	237	123	106	83.2	72.7	65.5	54.8	33.2	53.4	MEAN

LOCATION - LAT 58 17 30 N
LONG 115 23 00 W
DRAINAGE AREA, 36 300 km²
NATURAL FLOW

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	408 CH MAY 26	6.03B CH MAR 21	---	1964
1965	---	---	18.7 B CH FEB 24	---	1965
1966	---	137 CH MAY 10	9.50B CH MAR 30	1 160 000	1966
1967	637 AT 09:30 MST CH MAY 20 *	629 CH MAY 20 *	3.68B CH DEC 29	2 090 000	1967
1968	382 AT 15:00 MST CH MAY 07	374 CH MAY 07	1.64B CH JAN 20 *	1 810 000	1968
1969	---	278 CH MAY 15	5.07B CH MAR 18	---	1969
1970	549 AT 15:30 MST CH JUL 07	544 CH JUL 07	13.1 B CH MAR 30	---	1970
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 690 000	MEAN

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	139	79.2	63.6	32.7	16.6	---	1970
1971	10.5	8.80	9.09	104	123	82.8	239	96.6	60.4	43.1	20.2	12.3	68.1	1971
1972	8.74	6.71	8.41	53.2	484	141	148	58.0	29.2	27.0	22.6	10.8	84.1	1972
1973	9.64	8.98	9.46	90.5	362	799	431	264	192	156	81.8	48.4	205	1973
1974	35.3	25.9	21.5	478	728	198	230	135	104	78.2	41.9	25.9	176	1974
1975	18.7	16.3	15.2	73.8	237	245	268	245	380	200	106	50.4	155	1975
1976	32.7	24.6	18.9	188	96.6	87.4	270	181	124	92.2	46.9	30.3	99.7	1976
1977	22.6	22.9	22.9	71.0	141	215	151	70.7	49.9	72.7	34.7	18.2	74.5	1977
1978	14.6	13.8	11.6	67.8	266	171	76.1	49.4	312	222	95.3	45.4	112	1978
1979	24.5	19.7	11.0	33.8	415	398	192	92.1	76.5	54.0	---	---	---	1979
1980	---	---	12.9	50.0	33.5	28.3	29.5	111	90.4	89.8	47.4	21.3	---	1980
1981	14.9	11.4	13.4	113	251	71.2	19.1	18.6	6.86	10.8	5.77	3.75	46.9	1981
1982	1.57	1.35	1.66	37.1	186	41.8	10.0	12.4	21.4	15.9	11.0	7.80	30.9	1982
1983	6.39	7.17	7.84	82.4	92.6	59.1	252	369	145	88.0	45.6	27.3	99.4	1983
1984	17.5	17.8	16.4	72.0	162	330	219	77.0	100	61.1	35.8	25.7	95.2	1984
1985	18.3	14.9	17.5	104	340	86.5	25.8	17.8	22.8	52.3	30.4	14.2	63.1	1985
1986	14.3	13.6	13.8	53.6	221	223	156	86.4	34.1	35.6	22.3	19.4	74.8	1986
1987	12.8	11.7	10.4	122	115	101	31.6	207	53.3	35.4	22.0	8.69	61.3	1987
1988	5.76	5.75	7.26	86.3	123	222	567	154	80.6	51.5	35.3	24.0	114	1988
1989	13.9	10.8	8.71	54.6	304	235	143	152	86.7	119	56.9	30.0	103	1989
1990	28.1	19.8	19.1	139	353	253	92.5	27.5	18.8	19.5	15.5	11.8	83.3	1990
MEAN	16.4	13.6	12.8	104	252	200	179	123	98.4	75.8	40.6	23.0	97.0	MEAN

LOCATION - LAT 57 52 30 N
LONG 115 23 20 W
DRAINAGE AREA, 35 800 km²
NATURAL FLOW

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	348 ON APR 25	8.33 B ON FEB 20	2 150 000	1971
1972	---	932 ON MAY 02	6.29 B ON FEB 18	2 660 000	1972
1973	1 630 AT 12:00 MST ON JUN 19	1 620 ON JUN 19	8.07 B ON FEB 24	6 470 000	1973
1974	1 700A AT 17:00 MST ON APR 27 *	1 690A ON APR 27 *	19.2 B ON MAR 22	5 550 000	1974
1975	728 AT 23:00 MST ON SEP 02	716 ON SEP 02	14.8 B ON MAR 24	4 900 000	1975
1976	416 AT 17:30 MST ON APR 17	382B ON APR 16	17.1 B ON MAR 03	3 150 000	1976
1977	354 AT 21:30 MST ON JUN 06	348 ON JUN 06	16.2 B ON NOV 25	2 350 000	1977
1978	442 AT 22:00 MST ON SEP 19	439 ON SEP 19	9.63 B ON FEB 22	3 530 000	1978
1979	554 AT 14:00 MST ON MAY 30	549 ON MAY 30	---	---	1979
1980	228 AT 15:00 MST ON AUG 09	225 ON AUG 09	---	---	1980
1981	535 AT 16:00 MST ON APR 27	471 ON MAY 03	2.70 B ON DEC 31 *	1 480 000	1981
1982	325 AT 11:00 MST ON APR 20	274 ON MAY 02	0.900B ON FEB 12 *	975 000	1982
1983	839 AT 16:30 MST ON JUL 29	823 ON JUL 29	5.84 B ON FEB 06	3 140 000	1983
1984	730 AT 03:00 MST ON JUN 05	719 ON JUN 04	12.9 B ON MAR 22	3 010 000	1984
1985	641 AT 06:30 MST ON MAY 08	638 ON MAY 08	12.7 ON AUG 24	1 990 000	1985
1986	579A ON JUN 23	565E ON JUN 23	9.12 B ON MAR 06	2 360 000	1986
1987	596 AT 03:00 MST ON AUG 03	553 ON AUG 03	7.56 B ON DEC 31	1 930 000	1987
1988	1 020 AT 14:00 MST ON JUL 17	1 010 ON JUL 17	4.73 B ON JAN 15	3 610 000	1988
1989	430 AT 01:00 MST ON MAY 03	426A ON MAY 03	8.20 B ON MAR 26	3 230 000	1989
1990	522 AT 01:00 MST ON MAY 10	518 ON MAY 10	8.80 B ON DEC 28	2 630 000	1990
				3 060 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER BELOW TROUT RIVER - STATION NO. 07JB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	14.6	10.9	13.8	36.2	94.3	39.3	11.0	8.21	8.70	15.9	15.3	10.0	23.4	1985
1986	8.77	7.70	11.5	21.1	30.8	26.5	52.6	51.0	24.7	23.1	15.5	11.2	23.9	1986
1987	8.09	7.34	7.40	22.8	23.1	16.0	6.23	14.4	13.7	9.34	5.74	3.83	11.5	1987
1988	2.86	2.90	3.80	13.6	20.5	48.1	127	81.1	48.1	28.6	16.9	11.4	34.0	1988
1989	8.15	6.02	5.82	15.0	31.5	48.5	33.1	54.1	41.0	43.4	33.1	23.7	28.7	1989
1990	18.4	13.3	18.6	38.2	68.6	56.4	33.1	15.0	12.9	13.9	9.93	7.43	25.5	1990
MEAN	10.1	8.03	10.2	24.5	44.8	39.1	44.2	37.3	24.9	22.4	16.1	11.3	24.5	MEAN

LOCATION - LAT 56 19 27 N LONG 113 47 10 W
DRAINAGE AREA, 14 300 km^2
NATURAL FLOW

WABASCA RIVER BELOW TROUT RIVER - STATION NO. 07JB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	117 AT 17:30 MST ON MAY 13	116 ON MAY 13	7.16 ON SEP 06	739 000	1985
1986	78.4 AT 23:00 MST ON JUL 28	78.2 ON JUL 29	6.36J ON FEB 23	752 000	1986
1987	30.5 AT 21:00 MST ON APR 20	28.9 ON APR 22	1.35B ON DEC 02	362 000	1987
1988	206 AT 17:00 MST ON JUL 19 *	205 ON JUL 19 *	2.54B ON JAN 31 *	1 070 000	1988
1989	64.7 AT 19:00 MST ON AUG 12	64.7 ON AUG 12	4.86B ON FEB 24	906 000	1989
1990	77.9 AT 00:30 MST ON MAY 10	77.3 ON MAY 10	5.55B ON DEC 31	805 000	1990
				772 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	---	0.001	0.135	---	---	---	1979
1980	---	---	0.049	1.21	0.005	0.004	0.003	0.002	0.002	0.037	---	---	0.161	1980
1981	---	---	2.65	1.12	0.041	0.011	0.015	0	0	0.080	---	---	0.491	1981
1982	---	---	0	5.65	0.718	0	0	0	0	0	---	---	0.783	1982
1983	---	---	0.004	0.604	0.016	0.956	0.981	0.003	0.001	0.053	---	---	0.325	1983
1984	---	---	0.687	0.212	0.027	0.022	0	0.012	0.044	0.039	---	---	0.131	1984
1985	---	---	1.11	5.22	0.122	0.023	0.004	0.002	0.002	0.050	---	---	0.805	1985
1986	---	---	1.00	0.451	0.108	0.002	0.415	0.058	0.003	0.158	---	---	0.529	1986
1987	---	---	0.010	3.06	0.076	0.024	0.001	0.006	0.003	0.095	---	---	0.402	1987
1988	---	---	0.001	0.003	0.008	0.009	1.24	0.021	0.001	0.063	---	---	0.170	1988
1989	---	---	0	0.908	0.021	0.053	0.056	0	0	0.105	---	---	0.141	1989
1990	---	---	1.09	0.439	0.039	0.029	0.090	0	0.017	0.149	---	---	0.233	1990
MEAN	---	---	0.782	1.72	0.107	0.103	0.255	0.009	0.006	0.080	---	---	0.379	MEAN

LOCATION - LAT 54 13 27 N LONG 113 55 26 W
DRAINAGE AREA, 339 km^2
NATURAL FLOW

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	4.37B AT 10:55 MST ON APR 06	3.74B ON APR 05	0 B ON MAR 01 *	3 410	1980
1981	12.5 AT 06:00 MST ON MAR 29	12.0 B ON MAR 29	0 B ON MAR 01	10 400	1981
1982	35.3 AT 18:35 MST ON APR 24 *	34.1 ON APR 24 *	0 B ON MAR 01	16 600	1982
1983	5.63 AT 07:00 MST ON JUN 26	5.18 ON JUN 26	0 B ON MAR 01	6 900	1983
1984	---	2.79B ON MAR 27	0 B ON MAR 01	2 770	1984
1985	22.4 AT 17:25 MST ON APR 03	21.9 A ON APR 03	0 B ON MAR 01	17 100	1985
1986	---	5.39B ON MAR 26	0.001 ON JUN 02	11 200	1986
1987	9.96 AT 22:36 MST ON APR 09	9.32 ON APR 06	0 B ON MAR 01	8 500	1987
1988	4.90 AT 07:30 MST ON JUL 07	4.24 ON JUL 07	0 B ON MAR 01	3 600	1988
1989	---	3.36B ON APR 11	0 ON MAR 01	2 980	1989
1990	---	3.75B ON MAR 20	0 B ON MAR 10	4 930	1990
				8 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASH CREEK NEAR WESTLOCK - STATION NO. 07BC003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	2.12	1.04	0.032	0	0	0	0.006	---	---	0.395	1967
1968	---	---	0.749	0.118	0.009	0.007	0	0	0	0.010	---	---	0.111	1968
1969	---	---	0	3.68	0.052	0.004	0	0.372	0.419	0.015	---	---	0.558	1969
1970	---	---	0.003	4.87	0.050	0.048	0.219	0.074	0.025	0.003	---	---	0.650	1970
1971	---	---	0.084	7.07	0.107	1.04	6.27	0.142	0.002	0.001	---	---	1.83	1971
1972	---	---	0.937	9.05	0.524	0.043	0.007	0	0	0	---	---	1.06	1972
1973	---	---	0.745	1.01	0.052	0.282	0.079	0.048	0.007	0.012	---	---	0.278	1973
1974	---	---	0	14.6	1.18	0.005	2.72	0.038	0.009	0.005	---	---	2.29	1974
1975	---	---	0	1.42	0.293	0.051	0.288	0.118	0.121	0.006	---	---	0.284	1975
1976	---	---	0.280	1.47	0.109	0.006	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	2.55	0.119	0.054	0.148	0.022	0.017	0.044	---	---	0.363	1977
1978	---	---	0.777	2.32	0.125	0.086	0.056	0.024	0.418	0.277	---	---	0.493	1978
1979	---	---	1.74	5.92	0.203	0.250	2.80	---	---	---	---	---	---	1979
MEAN	---	---	0.340	4.23	0.297	0.147	0.968	0.070	0.085	0.032	---	---	0.711	MEAN

LOCATION - LAT 54 11 31 N LONG 113 55 32 W DRAINAGE AREA, 321 km^2 NATURAL FLOW

WABASH CREEK NEAR WESTLOCK - STATION NO. 07BC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	16.1 AT 03:00 MST ON APR 29	15.2 ON APR 28	0B ON MAR 01 *	8 370	1967
1968	---	2.80B ON MAR 05	0 ON JUN 23	2 380	1968
1969	21.2 AT 23:00 MST ON APR 12	20.7 ON APR 13	0B ON MAR 01	11 800	1969
1970	24.7 AT 09:45 MST ON APR 11	23.6 ON APR 11	0 ON OCT 01	13 800	1970
1971	38.8 AT 21:00 MST ON APR 19	35.7 ON APR 19	0B ON MAR 01	38 700	1971
1972	27.2 B AT 22:30 MST ON APR 15	25.5 ON APR 16	0B ON MAR 01	22 500	1972
1973	4.50B AT 16:40 MST ON APR 01	4.45B ON MAR 31	0B ON MAR 01	5 880	1973
1974	64.3 A ON APR 19 *	60.3 E ON APR 20 *	0B ON MAR 01	48 600	1974
1975	6.80B AT 20:00 MST ON APR 21	6.23B ON APR 21	0B ON MAR 01	6 010	1975
1976	---	3.40B ON APR 03	0B ON MAR 01	4 700	1976
1977	18.6 B AT 23:30 MST ON APR 08	16.4 ON APR 09	0B ON MAR 01	7 690	1977
1978	11.8 B AT 19:40 MST ON MAR 31	11.2 B ON MAR 31	0B ON MAR 01	10 400	1978
1979	16.0 AT 01:50 MST ON APR 21	15.0 ON APR 21	0B ON MAR 01	---	1979
				15 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABATANISK CREEK AT HIGHWAY NO. 676 - STATION NO. 07GH005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.084	1.61	1.53	0.099	0.284	0.018	0.008	0.040	---	---	0.459	1986
1987	---	---	0	0.564	0.322	0.100	0.002	0.366	0.006	0.004	---	---	0.170	1987
1988	---	---	0.024	0.128	0.208	1.24	1.14	0.004	0.003	0.004	---	---	0.342	1988
1989	---	---	0	0.434	2.98	0.425	0.013	0.025	0.010	0.057	---	---	0.496	1989
1990	---	---	0.080	0.825	0.617	5.85	0.049	0.007	0.003	0.013	---	---	0.915	1990
MEAN	---	---	0.038	0.712	1.13	1.54	0.298	0.084	0.006	0.024	---	---	0.476	MEAN

LOCATION - LAT 55 25 30 N LONG 117 21 30 W DRAINAGE AREA, 127 km^2 NATURAL FLOW

WABATANISK CREEK AT HIGHWAY NO. 676 - STATION NO. 07GH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	6.0B AT 03:30 MST ON APR 22	5.25 ON APR 22	0 B ON MAR 01 *	9 710	1986
1987	1.86B AT 05:00 MST ON APR 18	1.31 ON AUG 11	0 B ON MAR 01	3 590	1987
1988	23.2 AT 00:00 MST ON JUL 13	13.5 A ON JUL 13	0 B ON MAR 02	7 250	1988
1989	43.9 AT 23:30 MST ON MAY 20	21.2 A ON MAY 21	0 B ON MAR 01	10 500	1989
1990	84.0 AT 13:00 MST ON JUN 12 *	78.1 A ON JUN 12 *	0.001 ON AUG 28	19 400	1990
				10 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.007	---	---	---	1977
1978	---	---	0.041	0.649	0.100	0.021	0.001	0	0	0	---	---	0.100	1978
1979	---	---	0	0.464	1.04	0.069	0.214	0.002	0	0	---	---	0.224	1979
1980	---	---	0.002	0.023	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.050	0.662	0.078	0.005	0	0	0	0	---	---	0.090	1981
1982	---	---	0	0.335	0.018	0.001	0	0	0	0	---	---	0.041	1982
1983	---	---	0	0.116	0.008	0.016	0.075	0.001	0.001	0.001	---	---	0.032	1983
1984	---	---	0.152	0.041	0.473	0.154	0.163	0	0.041	0.008	---	---	0.126	1984
1985	---	---	0.015	0.756	0.032	0.005	0	0	0	0.024	---	---	0.102	1985
1986	---	---	0.208	0.859	0.134	0.013	0.014	0.001	0	0	---	---	0.146	1986
1987	---	---	0	0.896	0.014	0.005	0	0	0	0	---	---	0.112	1987
1988	---	---	0.010	0.008	0.005	0.102	0.423	0.008	0	0	---	---	0.070	1988
1989	---	---	0	0.557	0.034	0.012	0	0.004	0.008	0.020	---	---	0.078	1989
1990	---	---	0.533	0.640	0.089	0.066	0.006	0	0	0	---	---	0.166	1990
MEAN	---	---	0.078	0.452	0.156	0.036	0.069	0.004	0.001	0.004	---	---	0.099	MEAN

LOCATION - LAT 56 01 37 N, LONG 117 56 08 W. DRAINAGE AREA, 149 km². NATURAL FLOW

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 19 *	---	1977
1978	4.05 B AT 13:00 MST ON APR 09	2.72 B ON APR 09	0B ON MAR 01	2 410	1978
1979	14.6 B AT 19:30 MST ON APR 30 *	10.0 B ON APR 30 *	0B ON MAR 01	4 730	1979
1980	0.197B AT 11:30 MST ON APR 05	0.099B ON APR 04	0B ON MAR 01	67.8	1980
1981	5.07 A AT 01:00 MST ON APR 20	4.36 ON APR 20	0B ON MAR 01	1 900	1981
1982	3.94 AT 20:00 MST ON APR 24	1.79 ON APR 25	0B ON MAR 01	878	1982
1983	---	1.03 A ON APR 16	0B ON MAR 01	680	1983
1984	5.40 AT 08:30 MST ON MAY 21	4.54 ON MAY 21	0B ON MAR 01	2 660	1984
1985	3.47 ON APR 08	3.00 B ON APR 08	0B ON MAR 01	2 160	1985
1986	3.83 AT 04:00 MST ON APR 05	3.56 ON APR 05	0B ON MAR 01	3 080	1986
1987	6.47 ON APR 06	4.50 A ON APR 06	0B ON MAR 01	2 370	1987
1988	8.49 AT 10:30 MST ON JUL 12	4.93 ON JUL 12	0B ON MAR 01	1 480	1988
1989	---	5.00 E ON APR 12	0B ON MAR 01	1 650	1989
1990	11.9 B AT 19:00 MST ON MAR 29	5.95 B ON MAR 30	0B ON MAR 01	3 510	1990
				2 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	2.62	5.26	---	---	---	---	---	---	---	1972
1977	---	---	---	---	---	---	1.14	2.39	1.67	1.25	---	---	---	1977
1978	---	---	---	---	3.34	4.64	1.19	2.86	2.68	1.66	---	---	2.95	1978
1979	---	---	---	---	3.11	2.45	1.30	1.79	0.676	0.589	---	---	1.69	1979
1980	---	---	---	---	1.69	5.09	1.61	1.94	1.85	0.879	---	---	2.16	1980
1981	---	---	---	---	6.21	4.80	7.35	6.80	5.28	1.26	---	---	4.80	1981
1982	---	---	---	---	1.97	3.40	2.71	1.21	1.43	1.37	---	---	2.02	1982
1983	---	---	---	---	3.69	3.86	5.28	1.69	1.18	0.903	---	---	2.77	1983
1984	---	---	---	---	1.19	2.45	0.936	0.750	0.761	1.10	---	---	1.19	1984
MEAN	---	---	---	---	2.98	3.99	2.96	2.43	1.54	1.07	---	---	2.51	MEAN

LOCATION - LAT 51 22 04 N, LONG 114 59 27 W. DRAINAGE AREA, 230 km². NATURAL FLOW

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	16.4 ON JUN 24	---	---	1972
1977	8.35 AT 06:00 MST ON AUG 14	7.02 ON AUG 14	---	---	1977
1978	30.0 AT 17:30 MST ON APR 28	8.52 ON JUN 04	1.04 B ON OCT 29	46 900	1978
1979	10.5 AT 21:00 MST ON MAY 26	6.74 ON MAY 24	0.233B ON OCT 30 *	26 800	1979
1980	11.6 AT 23:00 MST ON JUN 09	9.16 ON JUN 10	0.657A ON MAY 15	34 400	1980
1981	46.6 AT 10:30 MST ON JUL 30	22.1 ON JUL 30	0.506 ON MAY 07	76 200	1981
1982	10.0 AT 20:46 MST ON JUN 26	5.05 ON JUN 28	0.332 ON MAY 09	32 000	1982
1983	48.0 AT 08:57 MST ON JUL 03 *	26.7 ON JUL 03 *	0.678E ON OCT 24	44 000	1983
1984	7.63 AT 20:18 MST ON JUN 12	5.70 ON JUN 12	0.472B ON MAY 01	18 900	1984
				39 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.765	1.61	3.98	4.59	4.67	3.60	2.25	1.87	---	---	---	1966
1967	---	---	0.322	0.802	8.60	11.8	3.25	1.68	0.909	0.301	---	---	---	1967
1968	---	---	0.701	0.871	2.09	3.87	2.82	2.99	2.12	2.12	---	---	---	1968
1969	---	---	0.739	3.52	7.65	9.31	11.7	2.88	1.69	1.44	0.854	0.502	---	1969
1970	0.155	0.262	0.396	0.737	3.13	7.76	3.03	1.23	1.08	0.698	0.637	0.328	1.62	1970
1971	0.374	0.511	0.333	1.13	2.11	5.32	1.76	1.10	1.08	0.930	0.602	0.218	1.29	1971
1972	0.275	0.362	0.716	1.89	4.47	6.87	5.20	2.40	1.83	1.34	0.762	0.687	2.60	1972
1973	0.579	0.516	0.579	1.58	7.48	9.53	2.92	2.28	1.99	1.15	0.417	0.455	3.59	1973
1974	0.295	0.449	0.412	2.15	6.89	7.57	2.93	2.40	1.75	1.13	0.819	0.605	2.29	1974
1975	0.350	0.231	0.347	0.916	2.45	2.23	2.61	2.09	1.19	0.883	0.654	0.539	1.22	1975
1976	0.494	0.337	0.370	1.33	2.17	1.91	1.68	3.81	1.99	1.20	0.780	0.573	1.39	1976
1977	0.343	0.460	0.425	0.942	2.56	2.12	1.18	1.91	1.98	1.52	0.871	0.453	1.23	1977
1978	0.337	0.306	0.805	2.14	3.70	4.50	3.78	2.94	2.27	1.50	1.02	0.647	2.02	1978
1979	0.181	0.207	0.721	1.53	3.37	2.55	1.44	1.92	1.11	0.691	0.390	0.570	1.23	1979
1980	0.197	0.245	0.293	2.01	2.05	5.14	1.96	1.93	1.70	1.05	0.750	0.720	1.50	1980
1981	0.564	0.762	0.492	0.668	8.03	5.88	10.5	1.77	1.26	1.60	0.891	0.555	3.36	1981
1982	0.174	0.148	0.200	0.950	2.36	4.35	3.06	1.57	1.70	1.50	0.590	0.565	1.44	1982
1983	0.461	0.526	0.436	2.08	3.88	4.03	6.71	1.87	1.27	1.05	0.500	0.409	1.95	1983
1984	0.392	0.436	0.478	0.754	1.42	2.80	1.05	0.839	0.879	1.34	0.463	0.277	0.926	1984
1985	0.115	0.075	0.224	1.11	2.50	1.92	1.00	2.45	4.99	1.71	0.762	0.747	1.47	1985
1986	0.452	0.427	0.662	0.964	4.90	4.02	7.15	2.93	3.75	4.79	1.47	1.02	2.73	1986
1987	0.627	0.606	0.717	1.23	1.35	1.24	3.71	4.27	2.75	1.41	0.909	0.457	1.62	1987
1988	0.305	0.436	0.467	1.15	1.14	1.59	1.13	3.91	2.12	1.67	0.778	0.517	1.27	1988
1989	0.464	0.376	0.355	1.33	3.45	3.00	2.12	4.27	4.00	1.61	0.926	0.747	1.89	1989
1990	0.574	0.372	0.688	1.48	8.19	13.7	4.61	4.02	1.85	1.34	0.778	0.777	3.21	1990
MEAN	0.367	0.383	0.506	1.38	4.00	4.99	3.68	2.76	2.02	1.43	0.756	0.562	1.81	MEAN

LOCATION - LAT 51 16 58 N DRAINAGE AREA, 334 km²
LONG 114 50 15 W NATURAL FLOW

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	24.4 AT 13:00 MST ON JUL 03	18.7 ON JUL 03	---	---	1966
1967	110 AT 03:00 MST ON MAY 31	74.2 ON MAY 31	---	---	1967
1968	13.6 AT 23:19 MST ON JUN 02	7.31 ON JUN 03	---	---	1968
1969	51.5 AT 14:24 MST ON JUN 29	44.5 ON JUN 29	---	---	1969
1970	71.9 AT 07:21 MST ON JUN 16	49.6 ON JUN 16	0.136B ON JAN 12	51 100	1970
1971	34.5 AT 06:30 MST ON JUN 06	24.4 ON JUN 06	0.156B ON DEC 23	40 600	1971
1972	40.5 AT 08:30 MST ON JUN 24	27.3 ON JUN 24	0.184E ON JAN 01	69 700	1972
1973	36.2 AT 09:30 MST ON MAY 26	30.0 ON MAY 26	0.198B ON NOV 28	99 900	1973
1974	17.0 AT 22:50 MST ON JUN 15	13.2 ON MAY 26	0.255B ON JAN 10	72 200	1974
1975	11.6	6.51E ON JUL 30	0.204B ON FEB 03	38 300	1975
1976	14.9 AT 04:00 MST ON AUG 05	9.80 ON AUG 10	0.311B ON MAR 01	44 000	1976
1977	11.5 AT 06:30 MST ON MAY 24	6.99 ON MAY 24	0.283B ON JAN 14	38 900	1977
1978	32.0 AT 18:00 MST ON APR 28	15.0 ON APR 28	0.201B ON DEC 30	63 700	1978
1979	8.9 AT 02:00 MST ON MAY 24	7.27 ON MAY 24	0.137B ON JAN 16	38 800	1979
1980	11.6 AT 02:00 MST ON JUN 10	8.58 ON JUN 03	0.090B ON JAN 10	47 400	1980
1981	57.9 AT 15:15 MST ON JUL 30	38.2 ON JUL 30	0.356B ON DEC 16	106 000	1981
1982	15.4 AT 23:14 MST ON JUN 22	6.07 ON JUN 28	0.080B ON JAN 23	45 300	1982
1983	63.4 AT 11:20 MST ON JUL 03	36.3 ON JUL 03	0.199B ON NOV 23	61 400	1983
1984	7.21 AT 23:20 MST ON JUN 12	5.71 ON JUN 08	0.100B ON DEC 29	29 300	1984
1985	43.4 AT 23:39 MST ON SEP 12	25.3 ON SEP 13	0.057B ON FEB 11 *	46 400	1985
1986	43.2 AT 17:16 MST ON JUL 17	32.0 ON JUL 17	0.378B ON FEB 19	86 200	1986
1987	18.9 AT 05:30 MST ON JUL 22	12.7 ON JUL 22	0.258B ON NOV 17	50 900	1987
1988	28.3 AT 02:43 MST ON AUG 16	12.6 ON AUG 16	0.225B ON JAN 31	40 000	1988
1989	15.0 AT 21:27 MST ON AUG 17	12.6 ON AUG 17	0.310B ON FEB 03	59 800	1989
1990	150 AT 03:53 MST ON JUN 02 *	78.3 ON JUN 02 *	0.200B ON FEB 17	101 000	1990
				57 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WALBURGER COULEE BELOW DIVERSIONS - STATION NO. 11AB086

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	---	0	0.021	0.002	0	---	---	---	1960
1961	---	---	0.004	0.001	0.116	0.128	0.186	0	0	0	---	---	0.054	1961
1962	---	---	0.022	0.001	0	0	0	0	0	0	---	---	0.003	1962
1963	---	---	0	0	0	0	0.008	0	0	0	---	---	0.001	1963
1964	---	---	0.006	0.001	0	0	0	0	0	0	---	---	0.001	1964
1965	---	---	0	0.138	0.005	0.144	0.022	0.009	0.002	0	---	---	0.019	1965
1966	---	---	0.153	0.252	0	0	0	0	0	0	---	---	0.050	1966
1967	---	---	0	0.385	0.706	0.313	0.128	0.115	0.007	0.021	---	---	0.209	1967
1968	---	---	0.009	0.001	0.001	0.002	0.011	0	0.041	0.003	---	---	0.008	1968
1969	---	---	---	0.100	0.001	0.010	0.021	0.001	0	0.023	---	---	---	1969
1970	---	---	---	0.010	0.604	0.428	0.008	0	0	0	---	---	---	1970
1971	---	---	---	0.068	0.001	0.003	0	0.001	0	0.030	---	---	---	1971
1972	---	---	---	0.002	0.005	0.023	0	0	0	0.015	---	---	---	1972
1973	---	---	---	0.229	0.132	0.004	0	0	0	0	---	---	---	1973
1974	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0.009	0.028	0.037	0	0	0	0	---	---	0.009	1975
1976	---	---	---	0.002	0	0	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1977
1978	---	---	0.001	0.023	0.001	0	0	0	0	0	---	---	0.003	1978
MEAN	---	---	0.016	0.068	0.089	0.061	0.020	0.008	0.003	0.005	---	---	0.031	MEAN

LOCATION - LAT 49 17 30 N LONG 110 01 20 W DRAINAGE AREA, 84.4 km² REGULATED INTERNATIONAL GAUGING STATION

WALBURGER COULEE BELOW DIVERSIONS - STATION NO. 11AB086

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1960	---	---	0E ON JUL 01 *	---	1960
1961	---	0.685 ON MAY 12	0E ON MAR 01	1 150	1961
1962	---	0.227B ON MAR 26	0E ON MAR 01	61.6	1962
1963	---	0.051 ON JUL 14	0E ON MAR 01	20.7	1963
1964	---	0.062B ON MAR 18	0E ON MAR 01	18.6	1964
1965	---	1.44 ON JUN 25	0E ON MAR 01	834	1965
1966	---	1.63 E ON MAR 29 *	0E ON MAR 01	1 060	1966
1967	---	1.42 E ON APR 10	0E ON MAR 01	4 430	1967
1968	---	0.694 ON SEP 29	0 ON JUN 17	179	1968
1969	---	0.597A ON APR 10	0 ON APR 01	---	1969
1970	---	1.55 ON JUN 13	0E ON APR 01	---	1970
1971	0.634 AT 12:52 CST ON OCT 31	0.530B ON APR 09	0E ON APR 01	---	1971
1972	2.14 AT 08:20 CST ON JUN 23 *	0.532 ON JUN 23	0 ON APR 12	---	1972
1973	---	1.53 ON APR 28	0A ON MAR 31	---	1973
1974	---	0.008B ON MAR 31	0E ON MAR 01	4.49	1974
1975	1.75 AT 20:32 CST ON JUN 19	0.733 ON JUN 20	0E ON MAR 01	195	1975
1976	---	---	0 ON APR 28	---	1976
1977	---	0.042 ON JUN 16	0 ON MAR 01	3.63	1977
1978	---	0.521B ON APR 05	0E ON MAR 01	64.2	1978
				668	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.207	0.167	---	---	---	1966
1967	---	---	---	---	---	0.848	0.173	0.081	0.050	0.053	0.035	---	---	1967
1968	---	---	---	0.036	0.506	0.299	0.467	0.399	0.171	0.115	0.078	0.026	0.286	1968
1969	---	---	---	---	0.453	0.442	0.821	0.965	0.168	0.130	---	---	---	1969
1970	---	---	---	---	0.556	0.572	0.117	0.065	0.049	0.030	---	---	---	1970
1971	---	---	---	0.132	0.657	1.09	0.669	0.132	0.140	0.154	---	---	0.424	1971
1972	---	---	---	---	0.983	1.20	0.336	0.122	0.237	0.294	---	---	---	1972
1973	---	---	---	0.066	1.83	0.462	0.216	0.119	0.132	0.162	---	---	0.432	1973
1974	---	---	---	0.344	1.12	0.412	0.265	0.129	0.174	0.118	---	---	0.366	1974
1975	---	---	---	0.037	0.405	0.343	0.193	0.077	0.059	0.046	---	---	0.166	1975
1976	---	---	---	0.148	0.563	0.476	0.175	0.353	0.160	0.087	---	---	0.280	1976
1977	---	---	---	0.092	1.46	0.559	0.511	0.403	0.500	0.261	---	---	0.544	1977
1978	---	---	---	0.312	1.01	0.686	0.503	0.243	0.526	0.201	---	---	0.498	1978
1979	---	---	---	0.036	0.655	0.441	0.295	0.103	0.046	0.077	---	---	0.237	1979
1980	---	---	---	0.370	0.507	2.93	0.675	0.305	0.451	0.204	---	---	0.771	1980
1981	---	---	---	0.076	0.620	0.533	0.645	0.306	0.126	0.050	---	---	0.339	1981
1982	---	---	---	0.234	0.783	0.577	1.21	0.367	0.353	0.491	---	---	0.577	1982
1983	---	---	---	0.215	0.564	0.409	0.269	0.076	0.049	0.061	---	---	0.243	1983
1984	---	---	---	0.240	0.415	0.479	0.099	0.050	0.239	0.472	---	---	0.284	1984
1985	---	---	---	0.243	0.328	0.475	0.178	0.565	0.651	0.268	---	---	0.386	1985
1986	---	---	---	0.245	0.700	0.284	1.22	0.246	0.289	0.457	---	---	0.495	1986
1987	---	---	---	0.043	0.242	0.119	0.137	0.715	0.169	0.096	---	---	0.216	1987
1988	---	---	---	0.167	0.174	0.431	0.081	0.143	0.113	0.098	---	---	0.172	1988
1989	---	---	---	0.231	0.710	0.397	0.742	0.953	0.559	0.242	---	---	0.550	1989
1990	---	---	---	0.398	1.28	1.38	0.664	0.278	0.212	0.163	---	---	0.623	1990
MEAN	---	---	---	0.186	0.718	0.660	0.444	0.301	0.233	0.180	0.057	0.026	0.394	MEAN

LOCATION - LAT 53 09 22 N LONG 117 15 40 W DRAINAGE AREA, 25.4 km² NATURAL FLOW

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	2.13 AT 17:20 MST ON JUL 20	2.63 E ON JUN 09	---	---	1968
1969	20.4 AT 17:39 MST ON AUG 05 *	1.56 ON JUL 22 7.99 ON AUG 05	0.001B ON APR 16 *	5 300	1969
1970	3.94 AT 05:00 MST ON JUN 16	3.37 ON JUN 16	---	---	1970
1971	7.50 AT 23:30 MST ON JUN 08	5.27 ON JUN 09	0.011B ON APR 01	7 850	1971
1972	10.3 AT 15:00 MST ON JUN 25	6.91 ON JUN 25	---	---	1972
1973	8.38 AT 19:15 MST ON MAY 15	5.21 ON MAY 16	0.014B ON APR 01	7 980	1973
1974	2.42 AT 22:30 MST ON MAY 06	1.78 ON MAY 06	0.040 ON AUG 09	6 770	1974
1975	0.954 AT 13:00 MST ON JUN 17	0.850B ON MAY 09	0.014B ON APR 01	3 070	1975
1976	1.45 AT 00:10 MST ON MAY 03	1.22 ON MAY 02	0.014B ON APR 01	5 190	1976
1977	8.75 AT 16:20 MST ON MAY 29	4.90 ON MAY 29	0.040B ON APR 20	10 100	1977
1978	8.04 AT 09:10 MST ON MAY 16	4.05 ON MAY 16	0.099B ON APR 01	9 200	1978
1979	1.57 AT 06:00 MST ON JUN 20	1.10 ON MAY 16	0.008 ON SEP 18	4 380	1979
1980	19.1 AT 08:30 MST ON JUN 04	15.5 ON JUN 04 *	0.050B ON APR 01	14 300	1980
1981	3.34 AT 02:45 MST ON JUL 30	2.45 ON JUL 30	0.020B ON APR 01	6 270	1981
1982	7.43 AT 19:55 MST ON JUL 04	5.55 ON JUL 05	0.005B ON APR 01	10 700	1982
1983	1.85 AT 10:35 MST ON JUN 24	1.28 ON JUN 24	0.038B ON APR 10	4 500	1983
1984	2.26 AT 21:10 MST ON OCT 04	1.71 ON OCT 04	0.033 ON AUG 23	5 260	1984
1985	3.06 AT 12:50 MST ON AUG 15	2.13 ON AUG 15	0.085 ON AUG 06	7 130	1985
1986	11.9 AT 21:33 MST ON JUL 17	6.59 ON JUL 17	0.070B ON APR 12	9 160	1986
1987	8.92 AT 22:09 MST ON AUG 01	4.03 ON AUG 02	0.015B ON APR 17	3 990	1987
1988	3.28 AT 04:27 MST ON JUN 08	2.07 ON JUN 08	0.015B ON APR 01	3 180	1988
1989	6.29 AT 22:00 MST ON AUG 16	5.01 ON AUG 17	0.045B ON APR 14	10 200	1989
1990	8.11 AT 06:53 MST ON JUN 13	6.24 ON JUN 13	0.104 ON AUG 11	11 500	1990
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 300	MEAN

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.239	6.12	6.24	8.43	29.1	4.32	1.51	0.603	0.577	0.347	---	1971
1972	0.189	0.144	0.160	2.35	12.6	6.83	4.82	1.95	0.779	1.26	0.902	0.459	2.71	1972
1973	0.207	0.142	0.122	1.37	8.26	27.6	9.66	11.9	2.86	8.29	4.34	1.46	6.61	1973
1974	0.852	0.476	0.354	18.6	26.5	4.99	9.21	3.86	6.13	4.27	1.86	0.589	6.51	1974
1975	0.269	0.210	0.189	2.73	11.3	5.69	9.97	10.4	24.7	5.56	2.15	0.571	6.16	1975
1976	0.245	0.195	0.166	2.31	1.14	7.27	16.3	2.78	4.43	2.61	0.892	0.377	3.24	1976
1977	0.234	0.163	0.136	2.55	9.68	6.65	3.30	2.20	1.08	1.68	0.842	0.382	2.42	1977
1978	0.175	0.137	0.148	1.86	5.92	7.17	2.93	1.26	19.9	8.74	1.93	0.506	4.22	1978
1979	0.245	0.198	0.196	0.926	10.3	10.8	11.8	4.71	5.54	2.58	1.15	0.384	4.09	1979
1980	0.177	0.095	0.050	2.13	0.949	0.487	0.548	14.5	8.07	3.93	1.48	0.406	2.75	1980
1981	0.200	0.128	0.094	2.49	3.98	1.14	2.68	0.579	0.093	0.053	0.179	0.195	0.991	1981
1982	0.176	0.120	0.089	1.93	4.94	2.22	2.38	2.15	0.779	0.495	0.371	0.209	1.19	1982
1983	0.208	0.168	0.101	2.73	3.25	2.01	19.3	11.8	4.14	2.42	1.83	0.826	4.11	1983
1984	0.214	0.152	0.111	4.38	4.43	19.4	9.94	1.55	4.49	3.28	2.00	0.749	4.21	1984
1985	0.252	0.160	0.184	7.37	16.3	2.48	1.44	0.534	0.243	1.44	0.919	0.233	2.65	1985
1986	0.136	0.096	0.085	2.60	5.10	3.16	13.6	6.37	0.612	0.490	0.439	0.269	2.78	1986
1987	0.181	0.120	0.119	5.70	5.04	5.06	1.19	2.53	0.443	0.247	0.237	0.162	1.84	1987
1988	0.125	0.147	0.130	3.09	5.96	9.29	12.5	5.13	0.416	0.296	0.343	0.279	2.90	1988
1989	0.166	0.149	0.105	1.43	6.66	6.12	5.58	6.13	3.08	1.58	1.33	0.534	2.76	1989
1990	0.303	0.216	0.211	9.20	17.2	3.12	1.28	0.275	0.057	0.010	0.038	0.093	2.68	1990
MEAN	0.240	0.170	0.149	4.06	8.29	6.99	8.33	4.60	4.67	2.49	1.19	0.450	3.41	MEAN

LOCATION - LAT 55 11 57 N
LONG 112 27 58 W
DRAINAGE AREA, 1 110 km²
NATURAL FLOW

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	53.2 ON JUL 08	53.2 ON JUL 08	---	---	1971
1972	---	20.7 A ON MAY 08	0.139B ON FEB 19	85 800	1972
1973	66.3 AT 09:30 MST ON JUN 21	65.7 ON JUN 21	0.113B ON MAR 17	208 000	1973
1974	69.7 AT 16:00 MST ON APR 29 *	68.8 ON APR 29 *	0.280B ON APR 05	205 000	1974
1975	55.8 AT 11:30 MST ON SEP 05	55.5 ON SEP 05	0.150B ON MAR 24	194 000	1975
1976	35.1 AT 11:00 MST ON JUL 02	35.1 ON JUL 02	0.023B ON FEB 29	102 000	1976
1977	15.0 AT 01:30 MST ON MAY 23	14.9 ON MAY 23	0.119B ON MAR 22	76 400	1977
1978	37.4 AT 16:30 MST ON SEP 22	37.1 ON SEP 22	0.119B ON FEB 27	133 000	1978
1979	19.2 AT 19:30 MST ON JUL 18	19.1 ON JUL 18	0.179B ON MAR 23	129 000	1979
1980	29.5 AT 19:00 MST ON AUG 12	29.1 ON AUG 12	0.038B ON MAR 08	86 800	1980
1981	11.1 AT 22:40 MST ON MAY 02	8.99 ON MAY 02	0.004 ON OCT 05 *	31 300	1981
1982	9.30 AT 06:18 MST ON APR 30	8.98 ON MAY 02	0.073B ON MAR 05	37 500	1982
1983	66.5 AT 22:05 MST ON JUL 26	65.4 ON JUL 26	0.090B ON MAR 06	129 000	1983
1984	42.4 AT 03:03 MST ON JUN 07	41.8 ON JUN 07	0.061B ON MAR 21	133 000	1984
1985	28.6 AT 15:28 MST ON MAY 11	28.1 ON MAY 10	0.120 ON SEP 11	83 400	1985
1986	36.0 AT 19:24 MST ON JUL 23	35.7 ON JUL 23	0.074B ON MAR 13	87 700	1986
1987	12.4 AT 13:25 MST ON APR 22	12.3 ON APR 22	0.111B ON FEB 20	58 100	1987
1988	19.1 AT 19:11 MST ON JUL 07	18.0 ON JUL 10	0.086B ON JAN 26	91 800	1988
1989	13.2 AT 19:06 MST ON MAY 26	13.0 ON MAY 27	0.042B ON APR 08	87 000	1989
1990	39.7 AT 12:23 MST ON APR 29	39.4 ON APR 29	0.004 ON OCT 07	84 600	1990
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		108 000	MEAN

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	20.6	12.8	9.11	---	---	---	---	---	---	---	---	---	---	1918
1960	---	---	---	---	---	---	---	---	---	---	---	17.4	---	1960
1961	8.89	5.20	6.69	18.7	162	195	76.8	30.9	48.3	94.6	52.9	22.3	60.7	1961
1962	11.6	19.6	9.87	78.5	284	287	262	93.2	70.0	55.3	55.9	20.4	105	1962
1963	19.9	20.6	15.6	84.0	139	272	111	50.2	44.0	48.3	18.3	15.5	86.9	1963
1964	12.3	13.6	10.1	41.4	280	580	359	306	189	136	59.0	30.0	168	1964
1965	21.5	21.7	30.1	212	361	455	479	78.1	88.7	126	52.3	20.1	163	1965
1966	14.4	16.6	17.2	196	303	235	158	123	78.4	62.2	38.0	36.0	107	1966
1967	20.8	15.2	13.7	33.0	487	627	159	66.0	36.9	44.3	21.2	10.1	128	1967
1968	17.2	21.1	27.8	42.0	276	380	177	103	67.0	72.1	47.4	18.2	104	1968
1969	12.7	9.44	9.23	137	243	205	95.0	71.6	189	88.5	30.2	17.5	92.4	1969
1970	12.4	12.9	14.2	55.0	128	228	82.2	55.1	45.5	41.3	17.0	13.0	58.7	1970
1971	8.71	9.42	8.17	73.5	219	420	369	62.2	53.9	121	33.3	21.3	117	1971
1972	11.3	10.9	16.4	105	365	581	179	63.6	42.0	163	63.8	38.8	137	1972
1973	20.4	16.0	12.9	114	288	218	103	57.4	59.7	69.2	25.4	20.7	84.1	1973
1974	12.3	10.5	8.98	169	386	328	160	69.1	57.7	86.8	26.5	16.2	111	1974
1975	12.2	9.33	9.91	32.5	151	256	233	66.3	42.9	28.8	52.2	21.6	76.5	1975
1976	17.9	16.8	12.9	131	359	305	270	360	129	72.1	34.4	21.1	145	1976
1977	17.4	15.9	15.2	99.9	363	293	233	117	102	152	50.4	22.8	124	1977
1978	14.4	10.5	13.1	48.2	148	200	159	71.5	98.3	84.2	62.6	19.5	77.7	1978
1979	12.6	10.9	14.2	69.9	279	376	154	48.5	30.7	28.8	12.6	9.12	87.5	1979
1980	7.79	7.33	6.80	59.0	171	449	172	105	145	91.2	34.3	30.4	106	1980
1981	22.2	23.2	29.4	78.5	290	203	98.2	62.4	26.3	22.4	32.2	12.5	75.3	1981
1982	9.50	9.84	7.93	26.9	230	319	497	287	113	59.1	20.0	16.2	134	1982
1983	12.5	10.4	9.97	93.3	200	238	287	67.7	42.0	34.6	31.3	13.3	87.1	1983
1984	11.0	11.0	12.8	33.7	125	273	117	50.6	103	101	28.2	15.1	73.4	1984
1985	13.7	10.3	15.4	39.4	192	239	110	67.4	131	85.8	25.4	19.4	79.3	1985
1986	13.7	10.1	22.5	53.1	224	335	228	55.5	47.7	82.5	24.1	16.1	93.1	1986
1987	18.0	14.1	11.0	84.9	235	220	86.5	232	44.3	27.8	36.2	14.1	85.8	1987
1988	10.1	10.4	14.1	50.6	154	176	84.8	35.8	24.5	31.8	19.2	14.1	52.2	1988
1989	9.05	7.14	6.49	27.7	202	318	206	277	114	54.5	34.4	35.3	108	1989
1990	25.8	13.4	23.5	68.1	238	778	188	51.0	32.4	30.3	18.6	17.9	124	1990
MEAN	14.7	13.0	14.0	78.6	256	333	196	106	76.5	73.2	35.2	19.9	102	MEAN

LOCATION - LAT 55 04 20 N DRAINAGE AREA, 11 300 km²
LONG 118 48 10 W NATURAL FLOW

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1960	---	---	---	---	1960
1961	---	396 ON MAY 24	4.02B ON FEB 19 *	1 920 000	1961
1962	1 380 AT 16:00 MST ON JUL 19	1 020 ON JUL 19	7.65B ON MAR 06	3 300 000	1962
1963	---	535 ON MAY 23	11.1 B ON DEC 21	2 740 000	1963
1964	---	2 090 ON JUN 29	6.09B ON JAN 24	5 320 000	1964
1965	2 730A AT 21:00 MST ON JUL 09	2 280A ON JUL 09	9.83B ON JAN 14	5 130 000	1965
1966	646 AT 20:15 MST ON MAY 11	606 ON MAY 11	11.8 B ON JAN 25	3 370 000	1966
1967	---	960 ON JUN 03	8.50B ON DEC 17	4 040 000	1967
1968	844 AT 15:30 MST ON JUN 14	807 ON JUN 14	11.2 B ON JAN 10	3 300 000	1968
1969	---	402 ON MAY 04	7.93B ON MAR 20	2 910 000	1969
1970	---	467 ON JUN 04	8.95B ON MAR 04	1 850 000	1970
1971	1 040 AT 18:00 MST ON JUN 17	968 ON JUL 13	7.25B ON JAN 26	3 690 000	1971
1972	4 670 AT 08:00 MST ON JUN 13	3 680 ON JUN 13	8.72B ON JAN 15	4 320 000	1972
1973	---	459A ON MAY 19	11.8 B ON MAR 22	2 650 000	1973
1974	668 AT 16:00 MST ON APR 26	595 ON APR 30	8.07B ON MAR 31	3 510 000	1974
1975	634 AT 09:30 MST ON JUL 17	561 ON JUL 17	8.41B ON FEB 13	2 410 000	1975
1976	1 040 AT 20:00 MST ON AUG 07	926 ON AUG 08	10.0 B ON DEC 06	4 580 000	1976
1977	1 030 AT 18:00 MST ON MAY 06	889 ON MAY 07	10.2 B ON JAN 03	3 910 000	1977
1978	750 AT 02:30 MST ON JUL 12	646 ON JUL 12	9.95B ON FEB 06	2 450 000	1978
1979	605 AT 18:00 MST ON MAY 27	585 ON JUN 04	6.46B ON DEC 02	2 760 000	1979
1980	1 220 AT 06:30 MST ON JUN 05	1 100 ON JUN 05	5.92B ON JAN 26	3 360 000	1980
1981	512 AT 15:30 MST ON MAY 27	505 ON MAY 27	9.70B ON DEC 31	2 380 000	1981
1982	6 300 AT 23:00 MST ON JUL 15 *	3 630A ON JUL 16	7.61B ON MAR 01	4 230 000	1982
1983	547 AT 17:00 MST ON JUL 16	502 ON JUN 21	9.32B ON FEB 27	2 750 000	1983
1984	442 AT 18:30 MST ON JUN 14	428 ON JUN 09	9.93B ON JAN 22	2 320 000	1984
1985	394 AT 10:30 MST ON MAY 25	383 ON MAY 25	9.90B ON FEB 21	2 500 000	1985
1986	657 AT 18:00 MST ON MAY 31	618 ON MAY 29	8.90B ON FEB 20	2 940 000	1986
1987	1 190 AT 15:00 MST ON AUG 02	1 050 ON AUG 02	9.00B ON MAR 06	2 710 000	1987
1988	306 AT 00:30 MST ON MAY 14	295 ON MAY 14	8.38B ON FEB 02	1 650 000	1988
1989	1 120 AT 01:00 MST ON AUG 24	903 ON AUG 24	5.69B ON MAR 06	3 410 000	1989
1990	5 440 AT 15:30 MST ON JUN 12	4 400A ON JUN 12 *	11.5 B ON FEB 05	3 900 000	1990
				3 210 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ008

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	0.569	1.98	3.09	2.85	0.787	1.34	---	---	1.77	1954
1955	---	---	---	---	1.12	1.69	1.92	2.13	1.10	0.898	---	---	1.48	1955
1956	---	---	---	---	0.682	2.11	2.13	1.61	1.04	1.24	---	---	1.50	1956
1957	---	---	---	---	0.912	2.16	1.93	2.12	1.08	0.903	---	---	1.52	1957
1958	---	---	---	---	0.850	2.09	1.81	1.92	0.702	0.722	---	---	1.48	1958
1959	---	---	---	---	0.249	1.60	1.63	1.98	1.13	0.531	---	---	1.18	1959
1960	---	---	---	---	0.299	0.674	1.54	1.70	0.301	0.273	---	---	0.815	1960
1961	---	---	---	---	0.414	0.626	0.805	0.764	0.743	0.652	---	---	0.667	1961
1962	---	---	---	---	0.511	1.31	1.56	0.441	0.368	0.231	---	---	0.736	1962
1963	---	---	---	---	0.491	1.87	0.779	0.765	0.219	0.325	---	---	0.736	1963
1964	---	---	---	---	0.425	0.641	0.556	0.940	0.474	0.447	---	---	0.581	1964
1965	---	---	---	---	0.291	1.02	0.449	1.25	0.340	0.763	---	---	0.686	1965
1966	---	---	---	---	0.569	1.19	2.02	1.30	0.399	0.316	---	---	0.969	1966
1967	---	---	---	---	0.877	0.389	0.730	1.42	0.561	0.729	---	---	0.787	1967
1968	---	---	---	---	0.568	0.731	1.10	0.545	0.527	0.867	---	---	0.725	1968
1969	---	---	---	---	0.817	1.19	0.663	1.31	0.950	0.626	---	---	0.926	1969
1970	---	---	---	---	---	---	1.24	0.445	0.438	0.590	---	---	---	1970
1971	---	---	---	---	0.469	0.611	0.920	0.865	0.991	0.544	---	---	0.732	1971
1972	---	---	---	---	0.618	1.13	1.46	1.57	1.10	0.529	---	---	1.07	1972
1973	---	---	---	---	0.450	0.754	0.403	0.888	---	---	---	---	---	1973
1974	---	---	---	---	0.465	0.774	0.953	1.21	1.57	0.817	---	---	0.963	1974
1975	---	---	---	---	---	0.370	0.749	1.67	---	---	---	---	---	1975
1976	---	---	---	---	---	1.19	---	---	---	---	---	---	---	1976
1977	---	---	---	---	0.414	0.363	0.227	0.117	0.598	---	---	---	---	1977
1978	---	---	0.138	0.220	0.317	0.409	0.927	0.825	0.074	0.145	---	---	0.223	1978
1979	---	---	0.278	0.080	0.128	1.02	0.775	1.16	0.795	0.361	---	---	0.606	1979
									1.13	0.459	---	---	0.775	
1980	---	---	---	---	0.587	1.24	0.894	0.744	0.616	0.267	---	---	0.722	1980
1981	---	---	---	0.075	0.304	0.911	1.32	1.07	0.910	0.694	---	---	0.869	1981
1982	---	---	---	---	0.378	0.842	1.26	1.16	0.862	1.11	---	---	0.935	1982
1983	---	---	---	---	0.390	0.938	1.36	1.24	0.576	0.404	0.087	---	0.820	1983
1984	---	---	---	---	0.393	1.12	0.623	1.01	1.34	0.581	---	---	0.841	1984
1985	---	---	---	---	0.530	1.50	0.912	1.02	0.971	0.325	---	---	0.872	1985
1986	---	---	---	---	0.282	0.868	1.47	1.37	1.42	0.857	0.054	---	1.04	1986
1987	---	---	---	---	0.505	1.14	0.946	0.842	0.606	0.913	0.081	---	0.825	1987
1988	---	---	---	---	0.623	0.914	0.508	1.07	0.445	0.448	---	---	0.668	1988
MEAN	---	---	0.208	0.125	0.515	1.13	1.17	1.22	0.765	0.622	0.074	---	0.920	MEAN

LOCATION - LAT 50 47 45 N LONG 111 46 55 W DRAINAGE AREA, 93 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	8.10 AT 14:00 MST ON AUG 05	7.99 ON AUG 04	0 ON SEP 11 *	28 200	1954
1955	4.47 AT 08:00 MST ON JUL 08	3.88 ON JUL 02	0.028E ON MAY 01	23 500	1955
1956	17.0 E AT 08:00 MST ON AUG 03	10.6 E ON AUG 03 *	0.017 ON MAY 10	23 900	1956
1957	3.57 AT 19:00 MST ON JUL 13	3.51 A ON MAY 15	0.082A ON MAY 10	24 100	1957
1958	4.79 AT 10:00 MST ON JUN 29	4.62 ON JUN 29	0.040A ON MAY 10	23 500	1958
1959	6.31 AT 20:00 MST ON JUN 27	4.70 ON JUN 27	0.028 ON MAY 01	18 800	1959
1960	3.43 AT 01:00 MST ON JUL 05	3.20 ON JUL 05	0.057E ON MAY 01	13 000	1960
1961	3.37 AT 18:00 MST ON AUG 27	2.49 ON SEP 27	0.048 ON MAY 01	10 600	1961
1962	---	3.60 ON JUL 14	0.006 ON MAY 02	11 700	1962
1963	25.5 E AT 04:00 MST ON JUN 22 *	3.96 E ON JUN 22	0.031 ON MAY 03	11 700	1963
1964	---	2.66 ON JUN 17	0.065 ON JUL 03	9 230	1964
1965	---	4.19 ON JUN 26	0.028E ON MAY 01	10 900	1965
1966	3.62 AT 09:00 MST ON JUL 26	3.45 ON JUN 25	0.122 ON SEP 12	15 400	1966
1967	---	2.27 E ON MAY 01	0.057 ON JUN 24	12 500	1967
1968	3.28 AT 17:39 MST ON JUN 30	3.71 ON JUN 30	0.119 ON SEP 04	11 500	1968
1969	---	3.40 ON JUN 29	0.159 ON OCT 25	14 700	1969
1970	---	---	---	---	1970
1971	2.04 AT 20:00 MST ON JUL 14	2.01 ON JUL 14	0.133E ON OCT 31	11 600	1971
1972	---	3.00 ON JUL 10	0.164E ON OCT 31	17 000	1972
1973	---	2.94 ON JUN 15	---	---	1973
1974	---	2.14 ON SEP 22	0.204 ON OCT 29	15 300	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	2.94 AT 11:40 MST ON JUL 22	0.657 ON MAY 08	0.017E ON AUG 27	3 550	1978
1979	---	2.26 R ON JUL 24	0.013R ON JUN 21	9 630	1979
		5.81 R ON JUN 20	0.037 ON MAY 25	12 300	
1980	4.88 AT 13:30 MST ON JUN 27	3.27 R ON JUN 27	0.023R ON JUN 18	11 500	1980
1981	3.85 AT 04:00 MST ON JUL 05	2.10 R ON JUL 05	0.056 ON MAY 04	13 800	1981
1982	---	2.99 ON JUL 02	0.029 ON MAY 03	14 900	1982
1983	---	2.99 ON JUL 03	0.009E ON MAY 08	13 000	1983
1984	---	4.27 ON JUL 31	0 E ON JUL 19	13 400	1984
1985	---	2.98 ON JUN 24	0 ON MAY 01	13 900	1985
1986	---	4.16 ON SEP 26	0 ON MAY 09	16 600	1986
1987	---	2.79 ON AUG 17	0.012 ON MAY 19	13 100	1987
1988	4.66 AT 09:25 MST ON JUN 09	3.86 ON JUN 09	0.022 ON JUN 21	10 600	1988
				14 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1989

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.346	2.53	8.76	9.85	3.20	5.95	2.34	1.33	---	---	---	1968
1969	---	---	0.200	16.1	7.79	1.93	1.77	0.866	2.53	1.80	---	---	---	1969
1970	---	---	0.442	6.80	12.4	2.28	1.33	0.809	0.422	0.507	0.381	0.328	---	1970
1971	0.280	0.207	0.150	11.6	7.05	23.8	35.9	5.00	3.49	6.65	4.09	2.15	8.41	1971
1972	0.664	0.188	0.237	10.7	21.9	14.9	5.19	2.56	1.05	2.26	1.57	0.836	5.19	1972
1973	0.606	0.511	0.555	14.1	20.0	8.86	2.05	2.87	1.49	3.45	1.67	0.828	4.76	1973
1974	0.645	0.495	0.496	28.0	28.7	2.23	1.07	0.466	0.689	0.623	0.330	0.318	5.35	1974
1975	0.367	0.354	0.409	3.43	7.86	3.27	3.89	0.966	0.576	0.579	0.730	0.432	1.92	1975
1976	0.411	0.439	0.305	15.0	6.69	9.80	5.34	21.0	11.1	2.04	1.33	0.840	6.19	1976
1977	0.688	0.747	0.603	13.2	29.1	13.1	16.9	6.34	4.89	4.64	1.05	0.668	7.72	1977
1978	0.520	0.569	0.631	7.17	13.2	26.4	4.81	2.39	11.5	4.10	1.85	0.902	6.16	1978
1979	0.430	0.397	0.549	4.75	25.6	28.9	22.2	3.32	0.878	0.914	0.768	0.605	7.49	1979
1980	0.544	0.398	0.344	8.38	8.21	23.1	10.2	2.93	5.84	2.41	0.698	0.335	5.26	1980
1981	0.594	0.575	1.06	9.60	10.5	9.86	2.77	2.06	0.396	0.455	0.636	0.226	3.23	1981
1982	0.099	0.245	0.637	1.64	27.1	3.80	18.8	15.6	3.38	2.00	1.15	0.476	6.33	1982
1983	0.306	0.313	0.384	4.50	5.00	14.8	21.8	4.08	3.01	1.82	1.77	0.639	4.73	1983
1984	0.550	0.619	0.881	7.54	23.7	9.28	1.60	1.12	15.4	4.66	1.90	1.04	5.68	1984
1985	0.753	0.554	0.848	14.0	9.63	4.02	1.49	0.726	3.20	5.54	1.49	0.740	3.59	1985
1986	0.546	0.389	1.02	13.5	20.2	6.10	9.09	1.52	2.65	2.44	1.15	0.799	5.12	1986
1987	0.750	0.610	0.425	4.89	4.60	1.96	1.00	18.7	6.65	0.975	0.628	0.323	3.15	1987
1988	0.192	0.239	0.683	3.14	2.39	13.5	7.73	0.836	0.436	0.490	0.573	0.419	2.55	1988
1989	0.267	0.218	0.260	2.81	19.4	9.59	29.0	14.7	4.10	2.44	2.23	1.50	7.29	1989
1990	0.888	0.520	0.674	5.22	7.88	26.5	5.54	0.669	0.768	0.769	0.777	0.661	4.22	1990
MEAN	0.505	0.429	0.528	8.99	14.2	11.6	9.25	5.02	3.56	2.42	1.27	0.717	5.22	MEAN

LOCATION - LAT 54 45 03 N DRAINAGE AREA, 1 040 km²
LONG 117 12 20 W NATURAL FLOW

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07GG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	45.0 AT 01:30 MST ON JUN 14	39.9 ON JUN 14	---	---	1968
1969	---	36.5B ON APR 16	---	---	1969
1970	32.6 AT 10:00 MST ON MAY 11	31.7 ON MAY 11	---	---	1970
1971	161 AT 15:00 MST ON JUL 12	151 ON JUL 12	0.085B ON MAR 23	265 000	1971
1972	100 AT 13:30 MST ON JUN 26	90.6 ON JUN 26	0.085B ON FEB 27	164 000	1972
1973	51.3 AT 10:00 MST ON APR 29	49.3 ON APR 29	0.396B ON FEB 13	150 000	1973
1974	92.6 AT 12:30 MST ON APR 26	92.3 ON APR 26	0.212B ON DEC 06	169 000	1974
1975	26.5 AT 20:00 MST ON JUN 29	22.5 ON JUN 30	0.317B ON FEB 09	60 400	1975
1976	68.0 AT 06:00 MST ON AUG 17	64.8 ON AUG 17	0.215B ON MAR 08	196 000	1976
1977	104 AT 19:30 MST ON MAY 06	87.8 ON MAY 07	0.442B ON MAR 29	243 000	1977
1978	171 AT 14:00 MST ON JUN 15	149 ON JUN 15	0.425B ON MAR 05	194 000	1978
1979	174 AT 19:30 MST ON JUN 14	129 ON JUN 14	0.390B ON FEB 11	236 000	1979
1980	108 AT 04:00 MST ON JUN 06	104 ON JUN 06	0.150B ON MAR 20	166 000	1980
1981	35.8 AT 01:30 MST ON JUN 02	33.5 ON JUN 02	0.120B ON DEC 31	102 000	1981
1982	142 AT 10:30 MST ON JUL 16	121 ON JUL 16	0.050B ON JAN 23 *	200 000	1982
1983	107 AT 12:00 MST ON JUL 27	101 ON JUL 27	0.225B ON JAN 24	149 000	1983
1984	92.4 AT 22:00 MST ON MAY 17	82.5 ON MAY 18	0.429 ON AUG 02	180 000	1984
1985	36.9B AT 19:30 MST ON APR 14	33.3B ON APR 14	0.374B ON MAR 14	113 000	1985
1986	48.1 AT 16:30 MST ON APR 20	36.2 ON JUL 19	0.359B ON FEB 17	161 000	1986
1987	129 AT 04:00 MST ON AUG 03	94.9 ON AUG 03	0.180B ON DEC 31	99 500	1987
1988	79.2 AT 05:30 MST ON JUN 12	73.8 ON JUN 12	0.142B ON FEB 02	80 500	1988
1989	149 AT 04:00 MST ON JUL 03	131 ON JUL 03	0.209B ON FEB 22	230 000	1989
1990	180 AT 17:00 MST ON JUN 12 *	153 ON JUN 13 *	0.400B ON FEB 18	133 000	1990
				165 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASKASOO CREEK AT RED DEER - STATION NO. 05CC011

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	1.01	2.32	0.143	0.021	0.025	0.167	0.136	0.025	---	---	0.477	1985
1986	---	---	0.921	0.063	0.827	0.185	1.72	0.433	0.511	0.658	---	---	0.655	1986
1987	---	---	0.245	1.97	0.310	0.032	0.182	0.109	0.094	0.017	---	---	0.366	1987
1988	---	---	0.080	0.117	0.020	0.200	0.185	0.178	0.085	0.087	---	---	0.119	1988
1989	---	---	0.063	2.26	0.429	0.107	0.075	0.101	0.022	0.024	---	---	0.380	1989
1990	---	---	0.821	0.805	0.302	4.84	0.965	0.133	0.042	0.024	---	---	0.980	1990
MEAN	---	---	0.507	1.26	0.339	0.898	0.525	0.187	0.148	0.136	---	---	0.496	MEAN

LOCATION - LAT 52 16 07 N DRAINAGE AREA, 494 km²
LONG 113 47 52 W NATURAL FLOW

WASKASOO CREEK AT RED DEER - STATION NO. 05CC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	9.55 ON APR 03	0.002 ON JUN 28	10 100	1985
1986	---	6.50 ON JUL 19	0.015 ON JUN 23	13 900	1986
1987	---	4.94 ON APR 05	0.008 ON SEP 24	7 750	1987
1988	8.57 ON JUN 08	1.92B ON MAR 31	0 B ON MAR 01 *	2 520	1988
1989	---	5.07 ON APR 13	0 B ON MAR 01	8 040	1989
1990	22.9 A ON JUN 13 *	19.7 ON JUN 13 *	0.005 ON SEP 26	20 700	1990
				10 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.002	0	---	---	---	1966
1967	---	---	0	0.239	1.45	0.028	0	0	0	0	---	---	0.216	1967
1968	---	---	0.776	0.130	0.011	0	0.002	0	0	0	---	---	0.116	1968
1969	---	---	0	2.10	0.145	0.006	0	0.015	0	0	---	---	0.278	1969
1970	---	---	0	1.84	0.080	0.001	0.017	0.337	0.107	0.060	---	---	0.301	1970
1971	---	---	0.012	7.60	0.615	0.205	4.07	0.637	0.130	0.033	---	---	1.65	1971
1972	---	---	0	6.37	1.96	0.130	0.012	0.007	0	0.004	---	---	1.05	1972
1973	---	---	0.012	0.108	0.038	0.213	0.076	0.071	0.043	0.036	---	---	0.074	1973
1974	---	---	0	8.38	2.10	0.160	0.172	0.017	0.021	0.018	---	---	1.34	1974
1975	---	---	0	0.636	0.271	0.036	0.208	0.126	0.839	0.126	---	---	0.278	1975
1976	---	---	0.002	1.53	0.047	0.010	0.048	0.080	0.006	0	---	---	0.211	1976
1977	---	---	0	1.67	0.217	0.314	0.034	0.171	0.177	0.372	---	---	0.365	1977
1978	---	---	0.045	3.71	0.282	1.42	0.232	0.068	0.909	0.715	---	---	0.910	1978
1979	---	---	0.001	5.82	2.48	0.196	0.522	0.318	0.119	0.020	---	---	1.17	1979
1980	---	---	0	1.08	0.073	0.125	0.056	0.179	0.386	0.560	---	---	0.305	1980
1981	---	---	0.627	4.43	0.245	0.009	0	0	0	0	---	---	0.653	1981
1982	---	---	0	0.689	0.232	0.037	0.023	0.006	0	0	---	---	0.122	1982
1983	---	---	0	0.140	0.006	0.006	0.017	0.016	0.013	0.017	---	---	0.027	1983
1984	---	---	0.160	0.592	0.093	0.189	0.073	0.002	0.005	0.009	---	---	0.139	1984
1985	---	---	0.016	1.18	0.272	0.091	0.008	0	0	0.001	---	---	0.193	1985
1986	---	---	0.172	0.775	0.065	0.003	0.189	0.247	0.014	0.004	---	---	0.183	1986
1987	---	---	0	1.38	0.149	0.008	0.002	0.011	0.052	0.047	---	---	0.202	1987
1988	---	---	0.007	0.007	0.003	0.021	0.112	0	0	0	---	---	0.019	1988
1989	---	---	0	0.076	0.015	0.007	0.008	0.004	0.030	0.012	---	---	0.019	1989
1990	---	---	0.070	0.603	0.144	0.043	0.076	0.001	0.004	0.001	---	---	0.116	1990
MEAN	---	---	0.079	2.13	0.458	0.136	0.248	0.096	0.114	0.081	---	---	0.414	MEAN

LOCATION - LAT 54 07 23 N LONG 112 46 58 W DRAINAGE AREA, 312 km^2 NATURAL FLOW

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 02 *	---	1966
1967	---	5.44 ON MAY 04	0 B ON MAR 01	4 570	1967
1968	---	1.76 B ON MAR 06	0 ON MAY 03	2 450	1968
1969	6.74 AT 05:00 MST ON APR 15	6.65 ON APR 15	0 B ON MAR 01	5 880	1969
1970	4.76 AT 00:09 MST ON APR 15	4.59 ON APR 18	0 B ON MAR 01	6 380	1970
1971	45.3 AT 14:30 MST ON APR 22 *	44.2 ON APR 22 *	0.005 ON OCT 14	34 900	1971
1972	25.8 AT 16:30 MST ON APR 17	17.4 ON APR 18	0 B ON MAR 01	22 200	1972
1973	3.14 AT 14:00 MST ON JUN 26	0.937 ON JUN 26	0 B ON MAR 01	1 570	1973
1974	34.0 AT 05:00 MST ON APR 21	32.8 ON APR 20	0 B ON MAR 01	28 400	1974
1975	3.06B AT 19:30 MST ON APR 22	2.67 B ON APR 23	0 B ON MAR 01	5 880	1975
1976	3.54 AT 16:30 MST ON APR 10	3.51 ON APR 10	0 B ON MAR 01	4 470	1976
1977	5.83B AT 13:30 MST ON APR 10	5.75 B ON APR 10	0 B ON MAR 01	7 720	1977
1978	8.01B AT 13:50 MST ON APR 08	7.53 B ON APR 08	0 B ON MAR 01	19 300	1978
1979	24.8 AT 01:10 MST ON APR 26	24.2 ON APR 26	0 B ON MAR 01	24 800	1979
1980	---	3.72 B ON APR 14	0 B ON MAR 01	6 450	1980
1981	16.0 AT 02:50 MST ON APR 02	15.2 B ON APR 02	0 B ON MAR 01	13 800	1981
1982	2.58 AT 02:00 MST ON APR 22	2.28 ON APR 22	0 B ON MAR 01	2 580	1982
1983	1.69 AT 11:05 MST ON JUL 16	0.367B ON APR 14	0 B ON MAR 01	561	1983
1984	1.70 AT 13:20 MST ON APR 02	1.33 ON APR 04	0 B ON MAR 01	2 940	1984
1985	2.74B AT 17:30 MST ON APR 08	2.50 B ON APR 09	0 ON JUL 10	4 080	1985
1986	---	2.27 B ON APR 03	0 B ON MAR 01	3 860	1986
1987	---	3.31 B ON APR 09	0 B ON MAR 01	4 280	1987
1988	---	0.254 ON JUL 15	0 B ON MAR 01	400	1988
1989	---	0.331B ON APR 07	0 B ON MAR 01	398	1989
1990	---	1.76 B ON MAR 31	0 B ON MAR 01	2 460	1990
				8 760	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	0	0	0	0	2.22	6.22	4.71	1.47	0.348	0.333	0.340	0.026	1.31	1968
1969	0	0	0	0	0	0	0	3.93	17.2	0.355	0	0	1.78	1969
1970	0	0	0	0	0	10.9	14.2	13.8	0	0	0	0	3.27	1970
1971	0	0	0	0.002	0	0.999	12.5	19.5	6.68	0	0	0	3.35	1971
1972	0	0	0	0	0	0	12.8	0.510	9.21	9.67	4.13	0	3.04	1972
1973	0	0	0	0	19.3	22.5	18.9	14.3	2.95	0.357	0	0	6.59	1973
1974	0	0	0	0	0	0	0.412	3.96	3.83	13.9	0	0	1.87	1974
1975	0	0	0	0	0	0	1.53	14.4	13.0	9.37	6.20	0	3.72	1975
1976	0	0	0	0	0	9.38	12.9	1.15	1.98	4.70	0	0	2.52	1976
1977	0	0	0	5.12	40.6	36.4	10.9	14.0	17.1	7.83	0	0	11.0	1977
1978	0	0	0	0	7.26	0	0	1.10	0	0	0	0	0.710	1978
1979	0	0	0	0	0	10.4	29.7	10.0	7.28	4.25	0	0	5.19	1979
1980	0	0	0	9.97	33.0	8.46	11.7	11.2	12.3	10.6	0	0	8.14	1980
1981	0	0	5.58	8.84	13.0	13.6	28.7	17.0	12.4	23.1	0.411	0	10.3	1981
1982	0	0	0	0	20.9	9.08	14.7	22.5	9.08	3.86	0	0	6.75	1982
1983	0	0	0	11.9	14.6	44.3	31.0	20.7	7.18	4.35	0	0	11.2	1983
1984	0	0	0.705	12.3	35.2	40.4	43.3	20.3	7.43	12.0	0	0	14.4	1984
1985	0	0	0	11.1	17.5	35.9	37.4	14.8	11.8	18.7	0	0	12.3	1985
1986	0	0	0	0.846	10.8	30.7	27.7	10.5	17.1	12.2	0	0	9.20	1986
1987	0	0	0	0	37.9	41.1	32.2	20.5	22.1	9.52	0	0	13.7	1987
1988	0	0	0	14.2	30.4	43.5	18.7	11.0	5.69	0.205	6.90	0	10.9	1988
1989	0	0	0	21.4	44.6	44.5	38.9	20.4	14.5	3.50	0	0	15.7	1989
1990	0	0	0	0	2.61	19.5	40.2	25.3	16.1	11.5	0	0	9.69	1990
MEAN	0	0	0.273	4.16	14.3	18.6	19.3	12.7	9.36	6.97	0.782	0.001	7.24	MEAN

LOCATION - LAT 49 19 20 N
LONG 113 38 10 W REGULATED SINCE 1968

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	16.2 ON AUG 13	0 ON JAN 01 *	41 400	1968
1969	---	29.2 ON AUG 29	0 ON JAN 01	56 200	1969
1970	---	29.2 ON JUN 10	0 ON JAN 01	103 000	1970
1971	---	29.4 ON AUG 19	0 ON JAN 01	105 000	1971
1972	---	26.0 ON OCT 21	0 ON JAN 01	96 000	1972
1973	---	35.7 ON JUN 11	0E ON JAN 01	208 000	1973
1974	---	31.1 ON OCT 17	0E ON JAN 01	59 000	1974
1975	---	25.2 ON NOV 01	0 ON JAN 01	117 000	1975
1976	---	27.3 ON JUN 22	0E ON JAN 01	79 600	1976
1977	---	43.3 ON MAY 03	0 ON JAN 01	348 000	1977
1978	---	15.9 ON MAY 08	0 ON JAN 01	22 400	1978
1979	---	31.1 ON JUL 04	0E ON JAN 01	164 000	1979
1980	---	46.3 ON MAY 22	0E ON JAN 01	258 000	1980
1981	---	42.0 ON JUL 17	0E ON JAN 01	325 000	1981
1982	---	32.2 ON MAY 14	0E ON JAN 01	213 000	1982
1983	---	49.3 ON JUN 22	0E ON JAN 01	354 000	1983
1984	---	48.6 ON JUN 14	0E ON JAN 01	454 000	1984
1985	---	48.3 ON JUN 23	0E ON JAN 01	389 000	1985
1986	---	47.7 ON JUN 21	0E ON JAN 01	290 000	1986
1987	---	54.2 ON MAY 31 *	0E ON JAN 01	432 000	1987
1988	---	51.0 ON JUN 03	0E ON JAN 01	344 000	1988
1989	---	52.4 ON JUN 21	0E ON JAN 01	496 000	1989
1990	---	50.7 ON JUL 07	0E ON JAN 01	306 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		229 000	MEAN

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	9.35	7.32	8.74	7.71	---	1966
1967	6.66	5.78	6.48	10.2	86.8	151	61.6	10.0	4.61	4.46	10.3	5.02	30.3	1967
1968	5.08	6.04	8.74	9.16	46.7	88.4	29.5	16.9	24.9	27.5	23.3	20.1	25.5	1968
1969	14.5	7.16	5.28	11.8	82.7	108	34.1	6.14	3.26	2.40	5.86	2.13	23.7	1969
1970	3.27	2.55	3.48	7.87	70.7	109	17.1	5.56	5.93	5.32	5.45	4.89	20.1	1970
1971	2.63	6.96	4.76	13.6	85.3	87.5	31.6	9.69	4.46	11.6	8.59	4.44	22.7	1971
1972	4.11	3.50	20.7	22.4	78.1	124	40.8	25.3	12.4	10.9	7.92	5.22	29.6	1972
1973	4.71	4.51	4.66	7.65	23.9	32.5	10.4	2.37	3.33	3.39	10.7	7.47	9.63	1973
1974	9.72	6.90	8.36	17.1	58.4	124	47.4	18.2	7.44	3.53	1.16	3.81	25.5	1974
1975	4.00	3.00	2.55	12.2	74.4	190	65.7	6.91	2.71	6.00	14.1	13.3	32.8	1975
1976	7.28	5.13	7.89	20.2	73.3	44.8	35.3	26.0	13.5	7.50	4.66	3.01	20.8	1976
1977	2.05	3.33	1.84	1.89	4.28	2.89	1.98	1.79	1.63	1.70	1.53	1.48	2.19	1977
1978	1.55	1.74	3.17	2.25	54.0	76.6	44.5	14.0	25.4	15.4	8.10	4.40	21.0	1978
1979	2.61	2.78	10.9	13.5	63.8	50.2	1.78	1.99	1.76	5.40	1.94	1.65	13.2	1979
1980	1.57	2.06	2.29	1.63	48.7	67.2	3.83	2.14	2.37	8.34	19.1	12.5	14.3	1980
1981	15.1	10.3	5.12	2.41	87.9	61.2	16.7	2.24	2.11	2.25	4.08	2.21	17.7	1981
1982	2.14	1.09	2.22	2.83	11.7	79.5	23.6	2.56	1.95	2.24	2.48	1.99	11.7	1982
1983	3.50	4.50	4.72	2.28	18.2	15.1	2.42	2.38	2.05	1.87	9.33	2.82	5.51	1983
1984	7.09	5.23	2.27	1.69	1.68	8.40	4.03	2.32	1.85	1.86	2.25	2.07	3.37	1984
1985	1.61	1.57	1.81	1.99	29.3	22.4	2.29	2.05	1.68	8.13	21.5	8.91	8.62	1985
1986	5.25	14.1	19.9	18.9	38.3	42.7	1.95	1.51R	1.98	3.34	2.00	5.80	12.9 R	1986
1987	4.38	4.33	8.12	23.3	24.0	3.81	7.41	3.49	12.5	8.89	1.70	1.68	9.65	1987
1988	1.14	1.35	1.47	1.14	1.22	2.10	2.22	2.03	1.67	1.51	1.47	0.975	1.53	1988
1989	2.18	3.03	3.70	3.06	1.05	22.2	1.45	2.03	4.73	5.55	26.4	13.1	7.34	1989
1990	6.92	6.03	6.83	24.9	52.4	56.1	4.15	3.60	3.12	8.64	12.1	1.36	15.5	1990
MEAN	4.96	4.75	6.14	9.75	46.5	65.4	20.5	7.13R	6.26	6.59	8.59	5.60	16.0 R	MEAN

LOCATION - LAT 49 26 35 N DRAINAGE AREA, 1 630 km²
LONG 113 28 10 W REGULATED SINCE 1966

R - REVISED SINCE JAN 01 1989

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	248 AT 01:00 MST ON JUN 05	205 ON JUN 05	3.91 B ON DEC 09	955 000	1967
1968	144 AT 14:51 MST ON JUN 08	132 ON JUN 08	3.09 ON APR 11	807 000	1968
1969	254 AT 20:30 MST ON JUN 28	232 ON JUN 29	1.98 B ON DEC 07	747 000	1969
1970	283 AT 15:10 MST ON JUN 15	270 ON JUN 15	1.45 ON OCT 25	634 000	1970
1971	150 AT 05:30 MST ON MAY 30	148 ON MAY 31	1.63 B ON JAN 15	715 000	1971
1972	221 AT 05:50 MST ON JUN 03	209 ON JUN 03	3.17 B ON JAN 01	937 000	1972
1973	58.3 AT 20:30 MST ON MAY 22	58.3 ON MAY 22	1.42 ON AUG 26	304 000	1973
1974	218 AT 00:40 MST ON JUN 19	212 ON JUN 19	0.850B ON NOV 19	806 000	1974
1975	762 AT 21:30 MST ON JUN 20 *	660 ON JUN 20 *	1.27 ON SEP 16	1 040 000	1975
1976	111 AT 13:20 MST ON MAY 15	111 ON MAY 15	1.61 B ON MAR 24	658 000	1976
1977	---	7.90 ON MAY 02	1.28 B ON JAN 01	69 100	1977
1978	132 AT 17:05 MST ON JUN 10	131 ON JUN 10	1.50 B ON JAN 01	662 000	1978
1979	169 AT 18:25 MST ON MAY 28	143 ON MAY 29	1.54 B ON DEC 13	417 000	1979
1980	253 AT 04:20 MST ON MAY 26	243 ON MAY 26	1.13 ON MAY 19	452 000	1980
1981	279 AT 17:50 MST ON MAY 22	261 ON MAY 23	1.48 ON OCT 25	559 000	1981
1982	169 AT 23:00 MST ON JUN 17	137 ON JUN 18	1.60 B ON APR 07	367 000	1982
1983	91.2 AT 10:55 MST ON MAY 30	86.1 ON MAY 29	0.850B ON JAN 24	174 000	1983
1984	38.6 AT 11:05 MST ON JUN 25	32.6 ON JUN 25	1.40 B ON DEC 30	106 000	1984
1985	76.2 AT 14:52 MST ON MAY 28	75.9 ON MAY 28	1.13 ON SEP 02	272 000	1985
1986	145 AT 03:25 MST ON JUN 05	142 ON JUN 04	1.10 B ON NOV 10	408 000	1986
1987	94.4 AT 12:05 MST ON MAY 03	93.5 ON MAY 03	1.15 B ON DEC 31	273 000	1987
1988	3.44 AT 15:45 MST ON JUN 28	3.14 ON MAY 31	0.590B ON DEC 29 *	48 300	1988
1989	119 AT 01:20 MST ON JUN 13	117 ON JUN 12	0.650B ON JAN 01	231 000	1989
1990	123 AT 13:50 MST ON MAY 30	119 ON MAY 31	0.950B ON DEC 20	489 000	1990
				505 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	29.4	28.5	11.6	3.28	3.26	10.4	3.55	1.33	---	1947
1948	0.904	0.544	0.441	3.17	25.6	35.5	9.39	4.01	1.73	1.09	0.774	0.652	6.90	1948
1949	0.604	0.600	0.659	5.34	25.1	21.7	7.79	2.98	2.51	2.29	4.48	2.92	6.45	1949
1950	1.19	1.09	1.25	2.14	15.1	40.0	25.9	5.07	2.03	7.86	5.33	4.05	9.28	1950
1951	2.04	2.23	1.06	4.41	25.4	25.4	24.0	4.98	6.51	8.49	1.91	1.56	9.11	1951
1952	0.805	0.609	0.446	8.92	24.0	21.4	8.57	3.35	1.47	0.830	0.468	0.400	5.94	1952
1953	1.47	1.32	0.733	3.23	17.8	36.5	21.8	4.54	1.88	0.933	1.75	1.14	7.78	1953
1954	0.706	0.696	0.770	1.86	25.2	32.0	30.6	6.91	4.50	5.64	3.86	1.97	9.62	1954
1955	0.905	0.596	0.455	1.11	9.35	35.9	18.1	3.73	1.68	7.77	4.10	1.74	7.14	1955
1956	1.10	0.672	0.830	4.09	25.4	34.0	15.1	3.59	1.96	3.41	1.98	1.16	7.79	1956
1957	0.724	0.670	0.892	2.13	33.0	27.3	6.92	2.19	1.32	---	---	---	---	1957
1958	---	---	---	---	---	21.8	5.30	2.36	2.69	4.29	2.54	---	---	1958
1959	---	---	---	---	---	41.1	18.2	4.29	8.34	8.97	3.03	1.91	---	1959
1960	---	---	---	---	---	30.6	14.1	3.39	2.11	1.74	1.77	1.17	---	1960
1961	0.978	---	---	---	---	42.0	8.94	2.73	1.89	4.20	1.64	0.946	---	1961
1962	0.740	---	---	---	---	26.3	8.96	3.20	1.95	3.64	3.96	2.90	---	1962
1963	---	---	---	---	---	31.5	13.1	2.91	1.85	1.28	1.40	1.07	---	1963
1964	---	---	---	---	---	49.1	17.5	2.88	2.95	---	---	---	---	1964
MEAN	1.01	0.903	0.754	3.64	23.2	32.2	14.7	3.69	2.81	4.55	2.66	1.66	7.78	MEAN

LOCATION - LAT 48 57 20 N LONG 113 54 00 W DRAINAGE AREA, 160 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	37.7 ON JUN 26	---	---	1947
1948	71.1 AT 01:00 MST ON MAY 23	62.9 ON MAY 23	0.311B ON APR 04	218 000	1948
1949	53.5 AT 05:00 MST ON MAY 28	43.3 ON MAY 28	0.461A ON FEB 19	203 000	1949
1950	72.5 AT 13:30 MST ON JUN 22	69.7 ON JUN 22	0.787 ON MAR 29	293 000	1950
1951	62.0 AT 03:00 MST ON JUN 16	58.0 ON JUN 15	0.850B ON DEC 31	288 000	1951
1952	43.0 AT 02:00 MST ON JUN 06	38.2 ON MAY 20	0.326 ON DEC 10	188 000	1952
1953	71.4 AT 12:00 MST ON JUN 13	68.2 ON JUN 13	0.255B ON JAN 07 *	245 000	1953
1954	76.7 AT 03:00 MST ON MAY 20	68.2 ON MAY 20	0.425B ON JAN 22	303 000	1954
1955	64.0 AT 00:00 MST ON JUN 24	61.2 ON JUN 23	0.340B ON MAR 21	225 000	1955
1956	66.8 AT 03:00 MST ON JUN 02	61.7 ON MAY 21	0.453B ON FEB 17	246 000	1956
1957	53.0 AT 03:00 MST ON JUN 04	49.8 ON JUN 06	---	---	1957
1958	52.4 AT 05:00 MST ON MAY 24	49.3 ON MAY 24	---	---	1958
1959	67.7 AT 01:00 MST ON JUN 06	61.4 ON JUN 06	---	---	1959
1960	57.2 AT 01:00 MST ON JUN 17	50.1 ON JUN 03	---	---	1960
1961	71.4 AT 09:00 MST ON MAY 27	67.1 ON MAY 27	---	---	1961
1962	40.8 AT 04:15 MST ON JUN 18	36.8 ON JUN 18	---	---	1962
1963	52.1 AT 12:00 MST ON JUN 10	47.0 ON JUN 10	---	---	1963
1964	351 AT 05:00 MST ON JUN 08 *	206 ON JUN 08 *	---	---	1964
				245 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR STAND OFF - STATION NO. 05AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	5.63	19.1	18.8	22.2	48.4	117	80.2	22.1	18.3	8.76	14.7	8.57	---	1916
1917	4.52	3.42	3.37	11.4	68.9	110	55.5	12.7	6.46	4.91	9.84	6.23	33.2	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	2.53	4.29	3.17	11.4	56.0	72.4	20.7	11.7	11.9	8.89	5.84	3.34	---	1919
						50.8	21.3	8.68	4.63	3.52	4.33	4.77	14.7	
1920	5.29	5.81	6.19	13.4	54.1	87.1	54.0	13.2	8.19	10.7	6.13	5.17	22.5	1920
1921	3.77	5.80	8.75	22.0	72.1	102	41.2	12.5	7.26	9.62	7.58	5.30	24.9	1921
1922	4.50	3.10	3.40	12.6	71.5	103	32.5	10.5	6.22	5.40	7.30	3.36	22.0	1922
1923	4.26	3.02	4.09	13.7	68.9	151	36.2	16.2	10.8	9.76	7.29	5.07	27.7	1923
1924	4.18	5.67	6.71	11.5	62.2	102	34.4	20.4	7.81	6.56	---	---	---	1924
1925	---	---	11.0	36.2	89.5	89.2	34.6	13.0	15.5	21.8	---	---	---	1925
1926	---	---	5.31	24.9	35.6	29.2	16.4	6.70	26.7	34.5	---	---	---	1926
1927	---	---	7.13	23.5	97.6	170	82.7	27.6	50.1	34.5	---	---	---	1927
1928	---	---	---	18.6	99.6	105	77.1	19.6	13.2	22.3	---	---	---	1928
1929	---	---	4.28	13.6	68.6	86.4	29.9	8.95	5.94	7.70	---	---	---	1929
1930	---	---	6.28	36.4	68.8	69.1	26.8	10.1	7.77	7.55	---	---	---	1930
1931	---	---	3.29	6.32	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	11.2	46.7	68.9	32.2	10.8	6.40	5.11	---	---	---	1935
1936	---	---	6.68	17.5	70.8	56.1	---	6.08	5.36	5.11	---	---	---	1936
1937	---	---	4.56	7.52	52.2	125	25.2	9.61	5.41	5.47	---	---	---	1937
1938	---	---	4.06	19.4	80.7	101	34.4	10.6	6.50	5.46	---	---	---	1938
1939	---	---	8.41	14.8	55.8	46.6	19.7	6.24	4.36	7.29	---	---	---	1939
1940	---	---	8.31	12.4	50.7	44.7	17.2	8.36	7.72	10.7	---	---	---	1940
1941	---	---	3.92	11.1	42.7	39.9	22.9	7.92	12.5	19.0	---	---	---	1941
1942	---	---	4.15	21.6	71.7	118	54.8	22.7	19.1	14.6	---	---	---	1942
1943	---	---	10.5	47.0	64.6	99.5	64.4	16.3	7.43	4.73	---	---	---	1943
1944	---	---	2.95	5.94	35.5	50.7	19.5	8.78	6.12	5.97	---	---	---	1944
1945	---	---	5.46	5.60	62.3	120	32.2	8.41	8.05	9.96	---	---	---	1945
1946	---	---	5.01	17.2	72.4	83.8	30.7	9.12	10.7	13.0	---	---	---	1946
1947	---	---	11.0	24.3	81.7	78.7	35.8	12.0	15.8	30.9	---	---	---	1947
1948	---	---	---	24.2	109	192	40.4	22.5	7.59	5.54	4.23	3.59	---	1948
1949	2.77	2.44	4.37	12.5	72.1	66.5	29.6	16.1	10.6	8.95	9.16	11.9	20.7	1949
1950	5.14	6.28	7.62	21.9	58.2	123	70.7	20.4	8.33	16.2	26.5	13.2	31.5	1950
1951	8.36	6.61	9.44	37.0	117	128	114	51.9	77.9	65.7	17.5	9.87	52.7	1951
1952	5.65	7.49	10.9	42.9	73.2	60.1	36.7	23.0	9.23	5.57	6.78	4.68	23.4	1952
1953	3.79	4.85	7.34	21.0	79.6	158	61.5	18.7	8.24	4.84	5.33	4.09	31.5	1953
1954	3.60	6.18	5.66	15.2	90.3	101	88.6	21.5	19.6	20.6	13.3	10.3	33.1	1954
1955	7.14	4.24	4.46	19.3	56.8	115	59.5	14.6	5.87	16.2	15.0	5.43	27.0	1955
1956	4.77	3.09	10.2	22.4	87.7	99.8	53.4	14.8	7.08	7.35	5.80	5.74	26.9	1956
1957	3.94	3.94	8.29	8.48	106	80.7	20.2	8.42	6.79	11.0	15.5	7.06	23.4	1957
1958	5.56	2.97	8.10	24.4	98.1	89.1	29.2	10.5	7.17	8.54	7.84	7.72	25.0	1958
1959	8.13	6.08	9.89	23.5	69.0	118	52.5	13.6	18.3	24.9	14.8	7.26	30.5	1959
1960	4.75	4.99	13.3	21.8	51.7	78.3	36.4	13.7	5.81	3.62	3.86	3.14	20.1	1960
1961	3.84	4.11	5.38	9.27	81.3	122	56.7	8.55	7.90	17.1	12.9	5.47	25.4	1961
1962	3.79	6.01	7.12	28.6	49.0	73.5	26.7	10.8	7.64	8.41	9.09	6.87	19.8	1962
1963	5.14	8.68	5.82	8.39	47.7	98.5	46.0	9.91	5.74	4.91	4.74	4.34	20.8	1963
1964	3.09	2.57	3.26	6.69	74.3	184	55.4	10.1	8.93	13.8	7.21	4.38	31.1	1964
1965	4.15	3.36	1.39	13.7	17.5	133	62.3	18.1	13.2	17.7	19.0	9.54	26.1	1965
1966	6.93	6.91	7.65	11.4	60.5	110	47.2	15.5	10.0	---	---	---	---	1966
MEAN	4.82	5.42	6.75	18.4	68.5	98.5	43.3	14.4	11.8	12.8	9.91	6.32	26.7	MEAN

LOCATION - LAT 49 30 07 N LONG 113 19 34 W

DRAINAGE AREA, 1 730 km²

REGULATED

WATERTON RIVER NEAR STAND OFF - STATION NO. 05AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	297 ON JUN 22	4.25 B ON JAN 26	1 050 000	1916
1917	---	144 ON JUN 11	---	---	1917
1918	---	122 ON JUN 13	---	---	1918
1919	---	116 ON MAY 28	1.76 B ON JAN 24	462 000	1919
1920	---	133 ON JUN 17	1.78 B ON DEC 08	710 000	1920
1921	---	136 ON JUN 09	2.78 B ON JAN 14	785 000	1921
1922	---	175 ON JUN 05	1.76 B ON DEC 06	694 000	1922
1923	---	309 ON JUN 02	2.66 B ON FEB 15	873 000	1923
1924	---	164 ON JUN 16	---	---	1924
1925	---	163 ON MAY 22	---	---	1925
1926	---	64.6 ON OCT 19	---	---	1926
1927	---	263 ON JUN 10	---	---	1927
1928	---	283 ON JUL 02	---	---	1928
1929	---	161 ON MAY 25	---	---	1929
1930	---	95.1 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	102 ON MAY 25	---	---	1935
1936	---	122 ON MAY 16	---	---	1936
1937	---	160 ON JUN 13	---	---	1937
1938	---	145 ON MAY 26	---	---	1938
1939	---	67.4 ON MAY 20	---	---	1939
1940	---	67.4 ON MAY 27	---	---	1940
1941	---	55.8 ON JUN 02	---	---	1941
1942	---	447 ON JUN 06	---	---	1942
1943	---	139 ON MAY 31	---	---	1943
1944	---	73.6 ON JUN 17	---	---	1944
1945	---	190 ON JUN 07	---	---	1945
1946	---	120 ON MAY 28	---	---	1946
1947	---	117 ON MAY 10	---	---	1947
1948	---	317 ON JUN 17	---	---	1948
1949	---	117 ON MAY 31	2.01 B ON FEB 18	652 000	1949
1950	---	189 ON JUN 21	4.13 B ON JAN 30	994 000	1950
1951	---	294 ON JUN 25	3.60 B ON MAR 11	1 660 000	1951
1952	---	108 ON MAY 21	0.708B ON DEC 28	738 000	1952
1953	---	382 ON JUN 04	1.27 B ON JAN 10	994 000	1953
1954	---	202 ON MAY 22	1.36 B ON JAN 23	1 050 000	1954
1955	---	178 ON MAY 19	2.61 B ON DEC 15	851 000	1955
1956	---	180 ON MAY 23	2.69 B ON FEB 19	951 000	1956
1957	---	168 ON MAY 21	3.11 B ON FEB 23	739 000	1957
1958	---	139 ON MAY 27	1.73 B ON FEB 14	790 000	1958
1959	---	171 ON JUN 07	2.86 B ON DEC 09	963 000	1959
1960	---	120 ON JUN 04	2.01 B ON JAN 14	636 000	1960
1961	---	203 ON MAY 27	1.84 B ON DEC 11	801 000	1961
1962	---	121 ON JUN 16	0.991B ON JAN 16	625 000	1962
1963	---	160 ON JUN 12	1.93 B ON DEC 30	657 000	1963
1964	---	467 ON JUN 10 *	1.59 B ON FEB 08	983 000	1964
1965	---	266 ON JUN 26	0.040B ON MAR 19 *	823 000	1965
1966	---	202 ON JUN 05	---	---	1966
				843 000	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	171	52.5	13.7	6.65	---	---	---	---	1908
1909	---	---	---	---	43.2	133	60.6	22.2	8.91	6.27	---	---	---	1909
1910	---	---	---	31.3	60.8	51.6	23.6	9.84	17.7	30.1	20.7	---	---	1910
1911	---	---	---	---	47.7	88.0	32.2	21.1	35.6	16.9	---	---	---	1911
1912	6.95	6.13	2.20	10.3	42.8	49.4	34.1	12.8	7.66	9.36	10.5	5.13	16.5	1912
1913	3.39	2.89	3.38	11.6	44.7	95.8	32.1	18.1	7.74	10.9	9.42	5.08	20.4	1913
1914	4.56	3.81	3.71	17.3	54.2	56.5	25.6	12.2	11.2	24.2	15.2	5.70	19.6	1914
1915	3.14	2.58	2.60	15.5	38.8	48.5	27.8	14.0	14.4	15.3	10.9	5.57	16.6	1915
1916	3.48	4.94	2.81	12.7	36.0	104	69.1	19.4	15.2	5.44	4.45	2.76	23.8	1916
1917	3.48	2.53	2.22	3.27	32.1	88.6	49.6	9.63	5.20	4.01	3.33	4.23	19.5	1917
1918	11.0	4.58	3.86	14.2	33.0	69.9	18.0	9.62	7.31	6.79	5.37	2.96	15.5	1918
1919	3.74	3.81	3.08	10.1	50.9	50.0	15.3	5.94	3.52	2.93	2.81	3.27	13.0	1919
1920	3.28	3.61	2.76	4.57	35.3	78.8	50.0	11.0	7.63	9.63	5.77	4.41	18.1	1920
1921	3.39	4.28	5.82	15.0	63.2	94.8	34.6	10.4	6.39	7.03	5.89	5.39	21.4	1921
1922	4.35	2.97	2.39	4.57	54.5	88.0	25.7	7.93	4.91	4.89	5.56	2.75	17.4	1922
1923	3.47	2.51	2.79	8.94	50.7	90.8	25.4	10.5	7.06	7.19	6.30	4.50	18.4	1923
1924	3.53	4.12	4.29	5.58	57.6	78.4	25.1	11.5	6.21	5.88	6.59	10.2	18.3	1924
1925	6.21	5.47	5.39	19.4	62.8	71.0	24.7	10.3	9.57	9.94	6.61	4.94	19.7	1925
1926	3.57	3.63	3.39	20.1	30.0	19.1	12.6	6.02	16.2	24.8	8.80	5.31	12.8	1926
1927	4.18	3.41	3.05	9.00	52.8	120	58.4	18.7	24.2	19.9	14.1	7.03	27.7	1927
1928	4.01	3.36	5.10	8.76	81.5	69.5	54.2	11.4	7.62	13.0	9.65	3.47	22.6	1928
1929	2.61	2.30	2.46	5.27	49.6	65.0	22.4	7.38	4.08	5.22	2.95	2.25	14.3	1929
1930	2.19	3.93	3.67	26.7	55.0	55.3	23.4	7.37	4.85	4.54	3.95	2.80	16.2	1930
1931	1.86	2.27	2.38	5.32	47.4	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	5.10	---	---	---	---	1932
1933	---	---	---	---	---	102	42.6	11.5	---	---	---	---	---	1933
1948	[illegible]	---	---	9.30	69.0	111	21.0	13.0	4.33	2.85	2.35	1.98	---	1948
1949	[illegible]2	2.23	3.13	9.97	58.3	50.9	18.2	7.92	5.81	5.76	8.84	9.61	15.3	1949
1950	5.13	3.67	3.97	7.04	39.0	99.0	59.0	13.9	5.57	12.9	16.4	12.2	23.2	1950
1951	8.09	8.62	4.61	14.2	73.4	72.7	64.0	17.0	25.6	26.7	7.89	6.15	27.4	1951
1952	4.53	3.32	2.79	19.6	53.9	44.7	24.0	12.6	5.32	2.91	1.68	1.29	14.7	1952
1953	4.50	4.37	3.41	9.37	51.1	111	50.6	15.2	5.85	3.00	4.16	3.85	22.0	1953
1954	2.99	4.34	3.66	7.23	62.5	76.3	66.8	17.5	15.0	16.6	10.9	6.41	24.3	1954
1955	3.71	2.57	2.43	4.17	26.3	90.1	46.6	11.1	4.66	12.1	11.4	4.93	18.4	1955
1956	3.75	2.44	3.19	12.4	61.0	77.1	37.4	11.1	5.41	6.66	5.39	4.06	19.7	1956
1957	2.62	2.67	3.14	4.34	94.3	63.2	17.4	5.90	3.66	6.99	9.01	4.58	19.3	1957
1958	3.24	2.79	4.92	8.47	71.3	59.3	19.6	7.50	4.57	7.05	7.06	5.37	16.9	1958
1959	7.06	4.82	3.25	13.1	41.9	93.7	40.5	10.6	16.4	20.7	13.4	8.03	22.8	1959
1960	4.44	3.27	4.21	15.8	33.4	70.7	30.6	9.86	4.91	3.26	3.52	3.65	15.6	1960
1961	2.74	3.81	3.95	7.79	52.1	88.6	20.0	7.62	6.03	12.8	6.74	3.98	18.0	1961
1962	3.39	4.38	3.49	18.1	40.2	60.2	21.1	8.53	5.87	6.96	8.16	7.59	15.7	1962
1963	4.26	6.65	4.12	7.74	39.9	80.4	25.6	8.15	4.44	3.30	3.56	3.53	16.8	1963
1964	2.85	2.37	2.05	4.63	45.6	141	40.2	9.37	7.34	12.0	6.04	4.13	23.1	1964
1965	3.64	3.53	3.58	9.50	44.6	97.2	42.3	13.1	10.2	11.7	7.01	5.15	21.0	1965
1966	4.36	2.80	3.22	14.7	49.9	74.5	30.4	10.6	7.16	5.68	7.68	5.74	18.1	1966
1967	4.36	4.41	3.24	4.97	47.6	100	47.6	11.1	4.58	3.46	6.23	4.53	20.2	1967
1968	3.94	4.97	9.62	6.42	41.1	72.0	29.6	12.0	17.4	18.4	9.85	5.42	19.0	1968
1969	4.24	3.10	2.93	17.9	52.5	71.3	31.2	7.10	3.74	5.44	5.19	3.06	17.4	1969
1970	2.73	2.44	2.55	3.48	54.0	104	24.0	7.19	4.85	5.01	3.69	4.18	18.2	1970
1971	3.24	5.02	3.44	9.97	68.1	79.9	45.4	14.9	6.09	6.92	6.03	3.76	21.3	1971
1972	3.59	3.23	10.3	12.5	58.0	100	49.7	21.2	12.7	10.2	5.59	3.25	24.1	1972
1973	4.34	3.07	2.60	5.70	42.2	54.1	18.0	6.62	4.51	4.02	11.6	6.39	15.6	1973
1974	8.41	5.52	4.28	11.3	42.8	113	53.2	15.9	7.04	3.71	3.36	3.26	22.7	1974
1975	2.46	2.40	2.26	2.58	38.1	137	63.9	14.9	9.84	9.24	10.6	12.3	25.5	1975
1976	5.54	4.37	3.61	12.2	60.9	50.2	41.9	20.2	8.00	3.60	2.77	2.12	18.0	1976
1977	2.08	1.81	1.85	8.26	31.7	29.2	9.[illegible]	9.22	10.8	5.86	4.16	4.15	9.93	1977
1978	3.04	2.24	2.43	10.3	47.5	70.4	37.9	12.4	14.2	6.81	5.10	2.68	17.9	1978
1979	2.59	2.63	3.21	5.51	48.2	56.7	19.5	6.43	4.16	2.18	2.09	2.84	13.0	1979
1980	2.92	2.55	2.67	17.0	71.1	56.0	13.9	7.73	9.43	6.86	7.91	7.41	17.1	1980
1981	10.1	4.52	5.17	11.7	73.6	59.5	33.7	10.2	4.25	5.13	3.02	2.96	18.6	1981
1982	2.49	3.59	3.73	4.39	35.8	84.7	40.1	11.5	5.30	5.46	4.39	3.80	17.1	1982
1983	5.45	2.89	2.87	.47	36.0	52.0	27.9	9.88	4.19	5.87	7.72	3.53	13.5	1983
1984	7.49	4.27	2.93	9.67	28.2	56.9	24.3	7.95	5.16	7.05	5.84	3.31	13.6	1984
1985	2.50	2.09	1.93	12.9	53.8	50.4	15.2	9.49	15.2	17.7	16.6	5.39	17.0	1985
1986	3.57	4.94	12.6	17.6	45.6	58.2	14.3	5.62	6.19	11.9	8.60	5.28	16.2	1986
1987	3.27	2.68	6.14	17.7	60.3	33.0	21.9	13.5	7.16	2.81	1.72	2.53	14.6	1987
1988	1.97	1.70	2.64	15.1	41.7	39.3	11.6	4.75	3.08	6.49	8.20	4.28	11.7	1988
1989	3.27	2.59	3.45	13.7	43.7	65.5	24.3	11.1	16.1	9.39	23.2	9.69	18.8	1989
1990	E.29	4.74	4.36	18.7	40.8	67.5	39.8	12.9	4.55	6.18	12.1	6.03	18.7	1990
MEAN	4.09	3.61	3.78	11.2	50.1	77.0	33.8	11.4	8.65	8.99	7.50	4.88	18.3	MEAN

LOCATION - LAT 49 06 50 N LONG 113 50 20 W DRAINAGE AREA, 614 km² NATURAL FLOW

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	680 E ON JUN 06 *	---	---	1908
1909	---	182 ON JUN 03	---	---	1909
1910	---	---	---	---	1910
1911	---	83.0 ON JUN 01	---	---	1911
1912	---	116 ON JUN 15	---	---	1912
1913	---	71.9 ON MAY 18	2.04 ON MAR 09	521 000	1913
1914	---	147 ON MAY 29	2.46 B ON FEB 10	645 000	1914
		82.4 ON JUN 04	2.63 B ON DEC 20	617 000	
1915	---	---	---	---	1915
1916	---	60.6 ON JUN 06	2.10 ON JAN 13	525 000	1916
1917	---	106 ON JUN 19	2.19 B ON DEC 01	751 000	1917
1918	---	136 ON MAY 26	2.15 ON MAR 16	602 000	1918
1919	---	116 ON MAY 24	2.15 ON DEC 10	490 000	1919
			1.93 ON JAN 10	410 000	
1920	---	130 ON JUN 17	2.12 ON MAR 11	572 000	1920
1921	---	153 ON MAY 28	2.84 B ON JAN 16	675 000	1921
1922	---	144 ON JUN 05	2.83 B ON MAR 16	549 000	1922
1923	---	165 ON JUN 02	2.78 B ON DEC 31	579 000	1923
1924	---	121 ON JUN 14	2.12 B ON NOV 21	577 000	1924
1925	---	114 ON MAY 23	3.96 ON DEC 31	622 000	1925
1926	---	150.1 ON OCT 19	3.00 ON MAR 14	405 000	1926
1927	---	165 ON JUN 10	2.83 B ON MAR 16	875 000	1927
1928	---	131 ON MAY 26	2.78 B ON DEC 31	776 000	1928
1929	---	115 ON MAY 25	2.12 B ON NOV 21	452 000	1929
1930	---	79.9 ON MAY 22	2.12 B ON JAN 09	510 000	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1948	---	---	---	---	1948
1949	94.0 AT 20:00 MST ON MAY 17	171 ON JUN 18 93.4 ON MAY 17	1.73 ON FEB 09	483 000	1949
1950	148 AT 12:00 MST ON JUN 22	146 ON JUN 22	3.11 B ON MAR 30	732 000	1950
1951	123 AT 15:00 MST ON JUN 16	121 ON JUN 16	3.66 A ON MAR 24	863 000	1951
1952	73.1 AT 10:00 MST ON MAY 21	82.2 ON MAY 20	3.03 A ON DEC 04	466 000	1952
1953	214 AT 21:00 MST ON JUN 04	200 ON JUN 04	2.70 B ON JAN 06	693 000	1953
1954	150 AT 12:00 MST ON MAY 21	150 ON MAY 21	1.81 B ON DEC 28	767 000	1954
1955	127 AT 06:00 MST ON JUN 25	126 ON JUN 25	0.878B ON MAR 27 *	579 000	1955
1956	138 AT 23:00 MST ON MAY 22	138 ON MAY 22	2.27 B ON FEB 24	807 000	1956
1957	112 AT 15:00 MST ON MAY 08	111 ON MAY 08	1.70 ON DEC 23	547 000	1957
1958	106 AT 09:00 MST ON MAY 25	106 ON MAY 25	1.93 ON JAN 12	534 000	1958
1959	141 AT 21:00 MST ON JUN 06	137 ON JUN 06	2.92 ON MAR 30	719 000	1959
1960	111 AT 20:00 MST ON JUN 04	108 ON JUN 04	2.63 ON OCT 17	494 000	1960
1961	160 AT 23:30 MST ON MAY 27	144 ON MAY 27	2.00 ON NOV 22	568 000	1961
1962	77.3 AT 17:00 MST ON JUN 14	78.9 ON JUN 18	1.57 ON JAN 23	494 000	1962
1963	131 AT 08:00 MST ON JUN 11	126 ON JUN 11	1.32 ON NOV 20	530 000	1963
1964	428 AT 04:00 MST ON JUN 09 *	643 ON JUN 09	1.83 B ON MAR 24	729 000	1964
1965	159 AT 21:30 MST ON JUN 19	155 ON JUN 19	2.70 ON JAN 24	662 000	1965
1966	116 AT 07:00 MST ON JUN 01	116 ON JUN 01	2.00 ON FEB 27	571 000	1966
1967	136 AT 08:30 MST ON MAY 24	133 ON MAY 24	1.96 ON MAR 23	638 000	1967
1968	99.1 AT 16:30 MST ON JUN 04	97.1 ON JUN 04	1.76 B ON JAN 03	600 000	1968
1969	118 AT 08:30 MST ON JUN 08	116 ON JUN 08	1.85 ON DEC 06	547 000	1969
1970	179 AT 08:00 MST ON JUN 14	176 ON JUN 14	2.31 ON MAR 21	574 000	1970
1971	141 AT 06:00 MST ON MAY 29	119 ON MAY 29	2.70 B ON JAN 04	666 000	1971
1972	169 AT 13:30 MST ON JUN 02	167 ON JUN 02	2.83 B ON DEC 08	766 000	1972
1973	102 AT 09:45 MST ON MAY 20	101 ON MAY 20	2.44 ON MAR 31	430 000	1973
1974	182 AT 14:40 MST ON JUN 18	181 ON JUN 18	2.06 B ON DEC 19	716 000	1974
1975	501 AT 11:55 MST ON JUN 20	467 ON JUN 20	1.57 ON APR 03	803 000	1975
1976	104 AT 04:40 MST ON MAY 16	101 ON MAY 16	1.76 ON DEC 23	570 000	1976
1977	154.3 AT 14:15 MST ON JUN 09	150.4 ON JUN 09	1.49 ON FEB 27	513 000	1977
1978	114 AT 01:10 MST ON JUN 09	113 ON JUN 09	1.82 ON MAR 05	566 000	1978
1979	111 AT 23:25 MST ON MAY 27	109 ON MAY 27	1.64 A ON NOV 19	411 000	1979
1980	155 AT 08:35 MST ON MAY 27	150 ON MAY 27	2.30 A ON FEB 18	542 000	1980
1961	157 AT 20:25 MST ON MAY 23	153 ON MAY 23	2.50 A ON DEC 01	587 000	1981
1982	114 AT 02:50 MST ON JUN 17	115 ON JUN 17	2.29 B ON JAN 26	540 000	1982
1983	95.9 AT 03:10 MST ON MAY 31	95.2 ON MAY 30	ON DEC 29	426 000	1983
1984	79.8 AT 05:00 MST ON JUN 01	77.8 ON JUN 01	2.52 ON MAR 04	429 000	1984
1985	95.8 AT 01:00 MST ON MAY 26	94.3 ON MAY 26	1.65 ON MAR 16	536 000	1985
1986	135 AT 08:40 MST ON MAY 30	134 ON MAY 31	ON JAN 29	514 000	1986
1987	85.5 AT 09:50 MST ON MAY 02	84.5 ON MAY 02	ON NOV 30	452 000	1987
1988	65.0 AT 20:55 MST ON JUN 08	63.7 ON JUN 08	ON FEB 29	372 000	1988
1989	110 AT 00:05 MST ON JUN 12	108 ON JUN 12	1.25 ON MAR 04	594 000	1989
1990	95.1 AT 10:15 MST ON JUN 26	94.3 ON JUN 26	2.86 ON SEP 30	590 000	1990
				579 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEILLER CREEK NEAR WETASKIWIN - STATION NO. 05FA024

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	1.16	0.609	0.025	0.005	0.020	0.055	0.013	0.009	---	---	0.237	1985
1986	---	---	1.26	0.045	0.135	0.014	0.048	0.021	0.017	0.022	---	---	0.198	1986
1987	---	---	0.036	0.096	0.012	0.010	0.010	0.035	0.010	0.005	---	---	0.027	1987
1988	---	---	0.004	0.037	0.001	0.021	0.092	0.019	0.005	0.021	---	---	0.033	1988
1989	---	---	0.007	0.289	0.041	0.004	0.011	0.015	0.002	0.013	---	---	0.047	1989
1990	---	---	0.326	0.163	0.010	0.039	0.230	0.003	0	0.007	---	---	0.098	1990
MEAN	---	---	0.466	0.207	0.037	0.016	0.069	0.025	0.007	0.011	---	---	0.105	MEAN

LOCATION - LAT 52 57 26 N
LONG 113 16 45 W
DRAINAGE AREA, 235 km²
NATURAL FLOW

WEILLER CREEK NEAR WETASKIWIN - STATION NO. 05FA024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	6.99B AT 15:06 MST ON MAR 20 *	6.46 B ON MAR 19 *	0 B ON MAR 01 *	5 020	1985
1986	---	3.55 B ON MAR 02	0.003 ON OCT 25	4 180	1986
1987	---	0.465B ON MAR 31	0 B ON MAR 01	564	1987
1988	2.31 AT 14:31 MST ON OCT 24	0.805 ON JUL 13	0.001B ON MAR 01	493	1988
1989	2.56 AT 15:06 MST ON OCT 27	1.35 B ON APR 04	0 B ON MAR 01	999	1989
1990	4.32 AT 19:54 MST ON JUL 04	2.30 B ON MAR 29	0 B ON MAR 01	2 070	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 220	MEAN

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.895	0.045	0.031	0.025	---	---	---	1965
1966	---	---	---	0.165	0.090	0.106	0.739	0.085	0.046	0.072	---	---	---	1966
1967	---	---	5.91	1.12	1.39	0.282	0.011	0.004	0.010	0.013	---	---	---	1967
1968	---	---	0.154	0.095	0.043	0.042	0.019	0.022	0.080	0.139	---	---	---	1968
1969	---	---	0.468	7.41	0.444	0.138	0.127	0.013	0.027	0.042	---	---	---	1969
1970	---	---	1.31	0.539	0.110	0.537	0.140	0.008	0.022	0.056	---	---	---	1970
1971	---	---	2.40	10.0	0.215	0.199	0.027	0.005	0.011	0.022	---	---	---	1971
1972	---	---	4.05	0.477	0.068	0.036	0.022	0.006	0.005	0.022	---	---	---	1972
1973	---	---	3.50	0.353	0.050	0.033	0.004	0	0.001	0.006	---	---	---	1973
1974	---	---	1.76	3.49	0.839	0.063	0.009	0	0	0.010	---	---	---	1974
1975	---	---	0.013	2.83	0.517	0.095	0.021	0.001	0	0.004	---	---	---	1975
1976	---	---	3.01	0.651	0.031	0.005	0	0.001	0	0	---	---	---	1976
1977	---	---	0.052	0.019	0.006	0.001	0	0	0	0	---	---	---	1977
1978	---	---	0.175	0.433	0.077	0.035	0.001	0	0.002	0.005	---	---	---	1978
1979	---	---	2.39	0.262	0.110	0.004	0	0	0	0	---	---	---	1979
1980	---	---	0.055	3.98	0.180	0.225	0.005	0	0	0.003	---	---	---	1980
1981	---	---	0.131	0.041	0.107	0.038	0.029	0.018	0	0.009	---	---	---	1981
1982	---	---	0.207	0.251	0.037	0.014	0.009	0	0	0.003	---	---	---	1982
1983	---	---	0.140	0.097	0.021	0.001	0.001	0	0	0	---	---	---	1983
1984	---	0.001	0.028	0.014	0.005	0.005	0	0	0	0	---	---	0.006	1984
1985	---	0.095	2.97	0.240	0.050	0.006	0	0	0	0.004	---	---	0.380	1985
1986	---	0.375	6.359	0.033	0.068	0.005	0	0	0.004	0.003	---	---	0.092	1986
1987	---	0.030	0.036	0.053	0.010	0	0.460	0.136	0.025	0.014	---	---	0.091	1987
1988	---	0.001	0.034	0.051	0.009	0.006	0.001	0	0	0.001	---	---	0.011	1988
1989	---	0	0.146	0.548	0.008	0.004	0	0	0	0	---	---	0.078	1989
1990	---	0.080	1.19	0.059	0.006	0.013	0.001	0	0	0	---	---	0.152	1990
MEAN	---	0.083	1.27	1.33	0.180	0.076	0.097	0.013	0.010	0.018	---	---	0.116	MEAN

LOCATION - LAT 50 45 50 N DRAINAGE AREA, 775 km^2
LONG 113 14 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	71.9 AT 06:00 MST ON MAR 23	58.9 ON MAR 24	0.003 ON JUL 29	---	1967
1968	0.654 AT 17:20 MST ON SEP 23	0.391 ON SEP 24	0.006B ON FEB 26	---	1968
1969	---	37.1 ON APR 05	0 B ON MAR 01 *	---	1969
1970	---	4.30 B ON MAR 24	0.003 ON AUG 19	---	1970
1971	81.6 AT 08:00 MST ON APR 07 *	64.8 ON APR 07 *	0.001 ON AUG 20	---	1971
1972	---	42.8 B ON MAR 18	0 B ON MAR 01	---	1972
1973	11.4 B AT 22:30 MST ON MAR 21	9.60 B ON MAR 21	0 ON JUL 28	---	1973
1974	---	21.0 B ON APR 01	0 ON AUG 01	---	1974
1975	15.2 B AT 20:00 MST ON APR 13	13.1 B ON APR 16	0 B ON FEB 24	---	1975
1976	14.5 B AT 00:00 MST ON MAR 19	12.9 B ON MAR 18	0 B ON MAR 03	---	1976
1977	---	0.091B ON FEB 21	0 ON JUN 12	---	1977
1978	3.68 AT 13:00 MST ON MAR 31	2.42 ON APR 01	0 B ON MAR 01	---	1978
1979	9.58 B AT 10:30 MST ON MAR 11	8.70 B ON MAR 11	0 B ON FEB 26	---	1979
1980	13.5 AT 18:00 MST ON APR 09	11.8 ON APR 09	0 B ON MAR 05	---	1980
1981	---	1.01 B ON FEB 21	0 ON AUG 28	---	1981
1982	1.05 AT 16:14 MST ON APR 12	0.836 ON APR 12	0 B ON FEB 24	---	1982
1983	---	0.381B ON MAR 12	0 ON JUN 12	---	1983
1984	---	0.148B ON MAR 20	0 B ON FEB 01	138	1984
1985	14.9 B AT 20:01 MST ON MAR 21	12.2 B ON MAR 21	0 B ON FEB 01	8 970	1985
1986	---	3.80 B ON FEB 28	0 B ON FEB 01	2 160	1986
1987	7.96 AT 10:13 MST ON JUL 28	7.10 ON JUL 28	0 B ON FEB 01	2 140	1987
1988	0.329 AT 10:57 MST ON MAR 30	0.158 ON MAR 31	0 B ON FEB 01	269	1988
1989	4.83 B AT 13:32 MST ON APR 02	3.18 B ON APR 03	0 B ON FEB 01	1 840	1989
1990	4.64 AT 23:50 MST ON MAR 05	4.15 B ON MAR 06	0 B ON FEB 01	3 580	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 730	MEAN

WEST ARROWWOOD CREEK NEAR ENSIGN - STATION NO. 05BM018

MONTHLY AND ANNUAL MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	0	0	0	---	---	---	1985
1986	---	0.032	0.002	0	0.001	0	---	0	0	0	---	---	---	1986
1987	---	0	0.001	0.002	0	0	0	0	0	0	---	---	0.004	1987
1988	---	0.001	0.003	0.001	0	0	0.006	0.002	0.002	0.002	---	---	0.002	1988
1989	---	0	0.030	0.009	0	0.002	0	0	0	0	---	---	0.001	1989
						0	0	0	0	0	---	---	0.004	
1990	---	0.020	0.060	0.001	0.001	0.001	0	0	0	0	---	---	0.009	1990
MEAN	---	0.011	0.019	0.003	0	0.001	0.001	0	0	0	---	---	0.004	MEAN

LOCATION - LAT 50 30 50 N LONG 113 20 35 W DRAINAGE AREA, 29.8 km² NATURAL FLOW

WEST ARROWWOOD CREEK NEAR ENSIGN - STATION NO. 05BM018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR FEB TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0A ON JUL 31 *	---	1985
1986	---	---	0 ON FEB 01	89.6	1986
1987	2.13 AT 19:10 MST ON JUL 25	0.412B ON FEB 25	0B ON FEB 01	38.7	1987
1988	0.022 AT 08:05 MST ON JUN 09	0.150 ON JUL 25	0B ON FEB 01	16.8	1988
1989	0.786 AT 00:37 MST ON MAR 30	0.013 ON JUN 09	0B ON FEB 01	106	1989
1990	2.67 B AT 20:59 MST ON FEB 28 *	0.382 ON MAR 30	0B ON FEB 01	217	1990
		0.901B ON MAR 01 *		93.6	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	9.31	7.88	8.67	2.99	1.70	1.25	---	---	---	1921
1922	---	---	---	---	15.6	2.14	0.679	0.327	0.132	0.145	---	---	---	1922
1923	---	---	---	5.66	5.59	5.47	12.1	1.39	0.521	0.409	---	---	---	1923
1924	---	---	---	0.340	3.68	1.21	3.93	13.8	10.8	8.22	---	---	---	1924
1925	---	---	---	---	8.47	7.14	2.83	4.65	4.63	3.58	---	---	---	1925
1926	---	---	---	17.1	12.1	31.1	3.25	2.80	18.6	7.54	---	---	---	1926
1927	---	---	---	7.55	14.4	30.8	26.5	3.85	3.09	2.50	---	---	---	1927
1928	---	---	0.361	12.1	16.6	8.69	4.50	2.29	2.23	2.76	---	---	---	1928
1929	---	---	---	20.6	16.9	4.55	12.4	7.12	7.30	5.76	---	---	---	1929
1930	---	---	---	5.93	18.7	47.8	5.88	1.24	1.01	0.908	---	---	---	1930
1959	---	---	0.196	3.02	3.77	2.07	0.575	1.06	0.741	0.609	---	---	---	1959
1960	---	---	0.396	6.30	12.4	11.9	2.08	0.238	0.103	0.032	---	---	---	1960
1961	---	---	0.362	1.88	6.28	5.22	14.4	0.614	0.093	0.140	---	---	---	1961
1962	---	---	0	30.6	26.6	6.26	1.70	1.99	1.27	0.398	---	---	---	1962
1963	---	---	0.100	26.5	18.1	2.16	0.394	0.361	0.354	0.322	---	---	---	1963
1964	---	---	0.052	12.0	26.2	3.30	17.5	29.6	6.69	3.24	---	---	---	1964
1965	---	---	0.193	40.6	30.4	20.9	10.6	5.70	3.75	1.84	---	---	---	1965
1966	---	---	0.188	21.7	17.5	3.33	1.30	2.77	2.43	0.508	---	---	---	1966
1967	---	---	0.086	3.23	23.5	4.23	0.463	0.151	0.019	0.019	---	---	---	1967
1968	---	---	0.828	1.44	4.87	8.36	3.36	1.34	0.466	0.260	---	---	---	1968
1969	---	---	0.031	12.3	5.19	1.00	0.123	0.071	3.81	1.91	---	---	---	1969
1970	---	---	0.123	19.9	18.2	7.81	5.02	2.95	0.852	0.902	0.507	0.155	---	1970
1971	0.107	0.074	0.033	26.0	7.79	23.3	29.2	1.68	0.632	0.687	0.241	0.200	7.47	1971
1972	0.117	0.108	0.337	9.02	14.2	7.30	4.17	2.55	1.16	1.14	0.799	0.289	3.44	1972
1973	0.226	0.161	0.206	19.8	18.1	18.9	4.91	5.48	1.84	2.66	1.59	0.439	6.03	1973
1974	0.232	0.232	0.214	40.9	33.9	2.93	7.08	0.760	0.934	0.816	0.497	0.276	7.42	1974
1975	0.179	0.091	0.088	5.08	8.08	12.6	9.75	1.50	5.42	1.15	1.04	0.449	3.79	1975
1976	0.200	0.184	0.172	28.5	9.40	24.9	13.5	34.6	9.48	4.51	1.05	0.376	10.4	1976
1977	0.306	0.417	0.460	24.1	33.3	17.5	14.8	3.73	2.43	0.850	0.533	0.171	8.06	1977
1978	0.079	0.077	0.366	9.48	12.8	22.3	2.10	0.702	10.7	2.89	1.47	0.711	5.29	1978
1979	0.237	0.081	0.239	10.9	35.0	28.9	27.8	1.61	0.374	0.255	0.219	0.079	8.87	1979
1980	0.059	0.030	0.065	7.41	7.92	10.4	6.81	2.32	4.20	1.98	0.710	0.117	3.50	1980
1981	0.150	0.151	0.603	10.2	8.74	5.07	1.31	0.215	0.060	0.102	0.097	0.027	2.23	1981
1982	0.001	0	0	1.03	11.2	1.18	5.82	21.3	1.74	0.674	0.140	0.053	3.65	1982
1983	0.008	0.006	0.048	1.39	2.07	23.7	34.6	3.87	1.55	0.732	0.845	0.171	5.78	1983
1984	0.020	0.012	0.346	3.53	17.2	15.1	3.99	0.759	2.53	1.26	1.18	0.206	3.84	1984
1985	0.069	0.022	1.51	17.9	15.1	2.72	0.947	0.796	5.21	5.87	1.18	0.250	4.31	1985
1986	0.172	0.100	0.895	12.2	13.2	2.41	8.12	1.78	0.493	3.29	0.956	0.303	3.85	1986
1987	0.176	0.176	0.166	11.3	5.99	3.20	1.11	4.94	2.89	0.534	0.333	0.081	2.57	1987
1988	0.003	0.001	0.305	4.46	4.46	10.3	24.0	0.554	0.208	0.269	0.226	0.082	3.76	1988
1989	0.011	0.002	0.001	3.27	23.7	3.64	12.7	16.0	3.10	1.62	1.19	0.466	5.55	1989
1990	0.324	0.158	0.653	9.20	9.23	16.4	2.18	0.337	1.04	0.756	0.343	0.162	3.38	1990
MEAN	0.134	0.104	0.292	12.9	14.5	11.3	8.36	4.54	3.01	1.72	0.721	0.241	5.16	MEAN

LOCATION - LAT 55 26 50 N LONG 116 29 30 W DRAINAGE AREA, 1 160 km² NATURAL FLOW

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	26.3 ON MAY 30	---	---	1921
1922	---	47.6 ON MAY 10	---	---	1922
1923	---	41.1 ON JUL 07	0 B ON APR 01 *	---	1923
1924	---	48.4 ON AUG 30	0 B ON APR 01	---	1924
1925	---	---	---	---	1925
1926	---	129 ON JUN 12	---	---	1926
1927	116 AT 16:00 MST ON JUN 25	116 ON JUN 25	---	---	1927
1928	---	66.8 B ON APR 25	0 B ON MAR 01	---	1928
1929	---	112 ON JUL 22	---	---	1929
1930	---	110 ON JUN 02	---	---	1930
1959	5.78 AT 09:15 MST ON MAY 14	5.61 ON MAY 14	0 B ON MAR 01	---	1959
1960	48.7 AT 08:00 MST ON MAY 15	43.3 ON MAY 15	0 B ON MAR 01	---	1960
1961	53.8 AT 10:00 MST ON JUL 03	51.5 ON JUL 03	0 B ON MAR 01	---	1961
1962	---	69.4 ON APR 25	0 B ON MAR 01	---	1962
1963	---	70.8 ON APR 26	---	---	1963
1964	---	113 ON JUL 18	---	---	1964
1965	---	178 ON JUN 29	---	---	1965
1966	---	53.0 B ON APR 07	---	---	1966
1967	---	58.3 ON MAY 08	---	---	1967
1968	---	43.9 ON JUN 14	---	---	1968
1969	---	37.4 B ON APR 15	---	---	1969
1970	---	62.6 ON APR 26	---	---	1970
1971	---	183 ON JUL 05	0 B ON MAR 03	236 000	1971
1972	80.1 AT 00:30 MST ON APR 30	61.4 ON APR 30	0.096B ON JAN 14	109 000	1972
1973	127 AT 21:00 MST ON JUN 17	95.4 ON JUN 17	0.113B ON FEB 17	190 000	1973
1974	163 AT 13:00 MST ON APR 27	151 ON APR 27	0.170B ON JAN 15	234 000	1974
1975	143 AT 18:30 MST ON JUN 29	132 ON JUN 29	0.062B ON FEB 13	120 000	1975
1976	---	151 ON JUN 28	0.113B ON JAN 07	329 000	1976
1977	144 AT 03:30 MST ON MAY 13	121 ON MAY 13	0.113B ON DEC 31	254 000	1977
1978	142 AT 23:30 MST ON JUN 15	120 ON JUN 16	0.057B ON FEB 02	167 000	1978
1979	194 AT 21:30 MST ON JUN 15	176 ON JUN 15	0.034 ON OCT 17	280 000	1979
1980	57.9 AT 07:00 MST ON MAY 29	53.9 ON MAY 29	0 B ON FEB 21	111 000	1980
1981	29.1 AT 20:00 MST ON APR 25	26.4 ON APR 26	0.006B ON DEC 31	70 200	1981
1982	167 AT 10:30 MST ON AUG 04	164 E ON AUG 04	0 B ON JAN 11	115 000	1982
1983	335 AT 03:00 MST ON JUL 28 *	226 ON JUL 28 *	0 B ON JAN 11	102 000	1983
1984	108 AT 10:30 MST ON JUN 09	100 ON JUN 09	0 B ON JAN 15	121 000	1984
1985	53.8 AT 00:30 MST ON MAY 04	52.5 ON MAY 04	0.012B ON FEB 11	136 000	1985
1986	35.9 AT 19:30 MST ON APR 23	32.5 ON MAY 24	0.060B ON FEB 20	121 000	1986
1987	31.0 AT 13:00 MST ON APR 16	29.8 ON APR 16	0.007B ON DEC 31	81 200	1987
1988	145 AT 01:00 MST ON JUL 08	127 A ON JUL 08	0 B ON JAN 29	119 000	1988
1989	137 AT 04:00 MST ON MAY 21	125 A ON MAY 21	0 B ON FEB 15	175 000	1989
1990	135 AT 23:59 MST ON JUN 13	110 ON JUN 13	0.047 ON AUG 16	107 000	1990
				163 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	0.353	0.128	0.277	0.005	---	---	1965
1966	---	---	---	---	0.141	0.427	0.550	---	---	---	---	---	---	1966
1967	---	---	---	---	0.047	0.345	0.407	0.538	0.159	0.266	---	---	---	1967
1968	---	---	---	---	0.298	0.682	---	---	---	---	---	---	---	1968
MEAN	---	---	---	---	0.162	0.485	0.483	0.446	0.144	0.272	0.005	---	---	MEAN

LOCATION - LAT 50 13 21 N
LONG 112 00 32 W REGULATED

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON NOV 16 *	---	1965
1966	---	---	0 ON NOV 06	---	1966
1967	---	1.38 ON AUG 09 *	0E ON MAY 01	---	1967
1968	---	---	---	---	1968
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST STREETER CREEK NEAR NANTON - STATION NO. 05AB022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.001	0	0	0	0	0	0	0	0	1964
1965	0	0	0	0	0	0.001	0.001	0	0	0	0	0	0	1965
1966	0	0	0	0	0	0.006	0	0	0	0	0	0	0.001	1966
1967	0	0	0	0	0.010	0.010	0	0	0	0	0	0	0.002	1967
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	1968
1969	0	0	0	0.006	0.004	0.011	0.013	0	0	0	0	0	0.003	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.001	0.003	0.005	0.002	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 06 29 N DRAINAGE AREA, 1.37 km²
LONG 114 03 59 W NATURAL FLOW

WEST STREETER CREEK NEAR NANTON - STATION NO. 05AB022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.006E ON MAY 01	0 ON JAN 01 *	2.59	1964
1965	0.01E AT 19:00 MST ON APR 01	0.009 ON JUN 18	0 ON JAN 01	5.18	1965
1966	---	0.020E ON JUN 06	0 ON JAN 01	16.8	1966
1967	0.045 AT 02:00 MST ON MAY 22	0.040 ON MAY 21	0 ON JAN 01	53.9	1967
1968	0 AT 09:00 MST ON APR 13	0 ON JAN 01	0 ON JAN 01	0	1968
1969	0.074 AT 14:00 MST ON JUN 26 *	0.068 ON JUN 26 *	0 ON JAN 01	89.3	1969
1970	---	---	0 ON JAN 08	---	1970
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		28.0	MEAN

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	---	0	0	0	0	---	1964
1965	0	0	0	0	0.001	0.001	0.003	0	0	0	0	0	0	1965
1966	0	0	0	0	0.001	0.004	0.001	0	0	0	0	0	0.001	1966
1967	0	0	0	0	0.004	0.006	0.001	0	0	0	0	0	0.001	1967
1968	0	0	0	0	0	0.001	0	0	0	0.001	0.001	0	0	1968
1969	0	0	0	0.004	0.003	0.002	0.005	0.001	0	0	0	0	0.001	1969
1970	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0	0	1970
1971	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0	0	1971
1972	0	0	0	0.001	0.005	0.003	0.001	0	0	0	0	0	0.001	1972
1973	0	0	0	0.001	0.003	0.002	0.001	0	0	0	0	0	0.001	1973
1974	0	0	0	0	0.004	0.003	0.001	0	0	0	0	0	0.001	1974
1975	0	0	0	0	0.005	0.004	0.002	0.001	0	0	0	0	0.001	1975
1976	0	0	0	0.001	0.002	0.001	0	0.001	0.001	0	0	0	0.001	1976
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.005	0.001	0.001	0	0	0	0	0.001	1978
1979	0	0	0	0	0.004	0.001	0	0	0	0	0	0	0.001	1979
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	1980
1981	0	0	0	0	0.003	0.004	0.001	0.001	0	0	0	0	0.001	1981
1982	0	0	0	0	0	0.001	0.002	0	0	0	0	0	0	1982
1983	0	0	0	0	0	0.001	0	0	0	0	0	0	0	1983
MEAN	0	0	0	0	0.002	0.002	0.001	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 06 20 N
LONG 114 04 04 W NATURAL FLOW

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 ON AUG 28 *	---	1964
1965	---	0.005E ON JUL 02	0E ON JAN 01	13.7	1965
1966	---	0.008 ON JUN 08	0E ON JAN 01	18.1	1966
1967	---	0.011E ON MAY 31	0E ON JAN 01	31.1	1967
1968	---	0.002 ON OCT 22	0E ON JAN 01	10.8	1968
1969	---	0.014E ON JUN 30 *	0E ON JAN 01	41.9	1969
1970	---	0.003 ON JUN 16	0 ON JAN 01	13.8	1970
1971	0.002 AT 09:30 MST ON JUN 17	0.002 ON JUN 09	0 ON JAN 01	8.99	1971
1972	0.006 AT 03:00 MST ON MAY 29	0.006 ON MAY 28	0 ON JAN 01	23.8	1972
1973	0.004 AT 21:30 MST ON MAY 27	0.004 ON MAY 27	0E ON JAN 01	17.3	1973
1974	0.010 AT 00:00 MST ON MAY 25	0.010 ON MAY 25	0 ON JAN 01	20.9	1974
1975	0.008 AT 12:00 MST ON MAY 14	0.008 ON MAY 14	0 ON JAN 01	31.4	1975
1976	0.002 AT 17:30 MST ON MAY 19	0.002 ON MAY 09	0 ON JAN 01	16.1	1976
1977	---	0 ON JAN 01	0 ON JAN 01	0	1977
1978	0.012 AT 18:00 MST ON JUN 02 *	0.012 ON JUN 01	0 ON JAN 01	32.6	1978
1979	---	0.007E ON MAY 17	0 ON JAN 01	17.8	1979
1980	0.001 AT 14:00 MST ON APR 19	0.001 ON APR 17	0 ON JAN 01	1.04	1980
1981	0.010 AT 09:15 MST ON MAY 23	0.009 ON MAY 20	0 ON JAN 01	24.1	1981
1982	0.002 AT 09:54 MST ON JUL 12	0.002 ON JUL 02	0 ON JAN 01	7.52	1982
1983	0.001 AT 03:20 MST ON JUN 13	0.001 ON MAY 10	0 ON JAN 01	4.84	1983
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17.7	MEAN

WEST WHITEMUD CREEK NEAR IRETON - STATION NO. 05DF007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	0	0	---	---	---	1976
1977	---	---	0.003	0.002	0.125	0.021	0	0	0	0	---	---	0.019	1977
1978	---	---	0.067	0.022	0	0	0	0	0.395	0.041	---	---	0.065	1978
1979	---	---	0.621	0.393	0.078	0.001	0.003	0	0	0	---	---	0.137	1979
1980	---	---	0.001	0.404	0	0.086	0.017	0.125	0.134	0.003	---	---	0.095	1980
1981	---	---	0.199	0.014	0.002	0	0.038	0.062	0	0	---	---	0.040	1981
1982	---	---	0	0.893	0.029	0	0.416	0.003	0	0	---	---	0.166	1982
1983	---	---	0.112	0.140	0	0.013	0.542	0.001	0	0	---	---	0.102	1983
1984	---	---	0.038	0.003	0	0.115	0	0	0.101	0.005	---	---	0.032	1984
1985	---	---	0.756	0.609	0.016	0	0	0	0	0	---	---	0.172	1985
1986	---	---	0.428	0.007	0.114	0	0.028	0.016	0	0.021	---	---	0.078	1986
1987	---	---	0.063	0.234	0.005	0	0	0.013	0.046	0	---	---	0.045	1987
1988	---	---	0	0	0	0	0.043	0.002	0	0	---	---	0.006	1988
1989	---	---	0.003	0.475	0.083	0.002	0	0	0	0	---	---	0.069	1989
1990	---	---	0.161	0.181	0.060	0.030	0.499	0	0	0	---	---	0.117	1990
MEAN	---	---	0.175	0.241	0.037	0.019	0.113	0.016	0.045	0.005	---	---	0.082	MEAN

LOCATION - LAT 53 13 20 N
LONG 113 41 23 W
DRAINAGE AREA, 63.7 km²
NATURAL FLOW

WEST WHITEMUD CREEK NEAR IRETON - STATION NO. 05DF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON AUG 05 *	---	1976
1977	3.14 AT 22:05 MST ON MAY 29	1.59 R ON MAY 29	0RB ON MAR 21	404	1977
1978	3.77 AT 17:30 MST ON SEP 18	3.23 ON SEP 18	0B ON MAR 01	1 370	1978
1979	3.60 B AT 07:25 MST ON MAR 17	2.90 ON APR 19	0B ON MAR 01	2 900	1979
1980	3.30 B AT 07:15 MST ON APR 05	2.35 B ON APR 05	0B ON MAR 01	2 010	1980
1981	1.72 AT 09:00 MST ON MAR 13	1.00 B ON MAR 14	0B ON MAR 05	838	1981
1982	6.21 AT 01:10 MST ON APR 23 *	5.52 ON APR 23 *	0 ON MAR 01	3 520	1982
1983	3.64 AT 11:35 MST ON JUL 03	2.72 ON JUL 03	0B ON MAR 01	2 160	1983
1984	0.871 AT 15:25 MST ON JUN 09	0.818 ON JUN 09	0B ON MAR 01	682	1984
1985	5.75 AT 06:00 MST ON APR 02	5.20 ON APR 02	0B ON MAR 01	3 650	1985
1986	1.13 AT 12:35 MST ON MAY 15	1.10 E ON MAR 02	0 ON APR 14	1 640	1986
1987	3.48 AT 02:29 MST ON APR 02	1.76 ON APR 02	0E ON MAR 01	944	1987
1988	0.490 AT 17:39 MST ON JUL 07	0.337 ON JUL 08	0 ON MAR 01	121	1988
1989	6.16 AT 05:49 MST ON APR 04	3.14 ON APR 04	0B ON MAR 01	1 470	1989
1990	4.05 AT 04:46 MST ON JUL 04	3.81 ON JUL 04	0B ON MAR 01	2 470	1990
				1 730	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO. 05BM016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	0	0	0	0	2.76	4.30	7.09	7.64	6.72	0.601	0	0	2.44	1978
1979	0	0	0	0	1.77	9.10	12.0	9.42	7.28	0.286	0	0	3.34	1979
MEAN	0	0	0	0	2.27	6.70	9.55	8.53	7.00	0.444	0	0	2.89	MEAN

LOCATION - LAT 51 00 34 N
LONG 113 47 33 W
REGULATED SINCE 1908

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO. 05BM016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	8.78 ON JUL 30	0 ON JAN 01 *	77 000	1978
1979	---	12.6 ON JUL 29 *	0 ON JAN 01	105 000	1979
				91 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	0.050	4.66	6.01	7.82	5.93	4.98	0.202	0.351	---	3.77	1980
1981	---	---	---	0.320	3.01	4.30	5.33	3.16	5.59	1.30	0.070	---	3.14	1981
1982	---	---	---	---	2.51	7.56	6.46	6.22	4.78	1.59	---	---	---	1982
1983	---	---	---	0.065	3.24	8.21	7.25	7.56	5.96	0.791	0.154	0.028	4.16	1983
1984	---	---	---	0.588	4.82	6.96	10.9	9.70	6.50	0.507	0.178	0.011	5.04	1984
1985	---	---	---	0.102	4.16	6.79	11.0	6.97	4.33	0.210	---	---	---	1985
1986	---	---	---	0.295	2.57	10.6	9.07	6.56	6.07	0.018	0.028	---	4.41	1986
MEAN	---	---	---	0.237	3.57	7.49	8.26	7.16	5.46	0.617	0.156	0.020	4.10	MEAN

LOCATION - LAT 51 03 41 N
LONG 113 49 02 W
REGULATED

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	10.1 ON JUL 18	0 ON APR 01 *	79 400	1980
1981	---	6.42 ON JUL 02	0 ON APR 01	66 300	1981
1982	---	---	---	---	1982
1983	---	9.77 ON JUN 17	0 ON APR 26	87 800	1983
1984	---	12.9 ON JUL 21	0.040B ON NOV 30	106 000	1984
1985	14.1 AT 07:50 MST ON JUL 22 *	13.3 ON JUL 14 *	0 A ON OCT 16	---	1985
1986	---	12.6 ON JUN 29	0 B ON APR 01	92 900	1986
				86 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	0	1.69	1.63	6.21	5.86	1.75	3.23	---	---	---	1908
1909	---	---	---	0	3.45	2.45	4.43	8.23	6.48	1.32	---	---	---	1909
1910	---	---	---	0.723	5.22	6.46	15.6	10.4	6.26	2.02	---	---	---	1910
1911	---	---	---	0.037	4.24	7.25	7.61	4.07	6.08	0	---	---	---	1911
1912	---	---	---	1.12	3.91	6.49	5.07	5.36	5.56	0	---	---	---	1912
1913	---	---	---	1.14	2.58	3.50	6.48	3.47	8.02	0.020	---	---	---	1913
1914	---	---	---	1.17	5.28	13.0	7.69	10.2	8.87	0	---	---	---	1914
1915	---	---	---	0	6.76	7.06	9.94	4.51	4.02	0	---	---	---	1915
1916	---	---	---	1.52	5.07	1.98	4.40	5.49	4.68	0.064	---	---	---	1916
1917	---	---	---	2.16	3.20	3.85	7.38	11.4	8.47	0	---	---	---	1917
1918	---	---	---	1.21	4.91	14.9	23.2	15.6	10.7	3.92	---	---	---	1918
1919	---	---	---	1.40	2.78	15.2	30.3	10.7	7.34	0	---	---	---	1919
1920	---	---	---	0	1.01	8.59	9.57	11.9	12.6	0.074	---	---	---	1920
1921	---	---	---	1.40	6.48	24.6	30.3	12.8	13.8	0.064	---	---	---	1921
1922	---	---	---	0	7.88	34.3	26.2	19.9	13.6	2.01	---	---	---	1922
1923	---	---	---	0.905	8.36	4.48	7.82	7.29	8.70	0	---	---	---	1923
1924	---	---	---	0.091	9.63	13.5	19.1	10.2	12.0	3.64	---	---	---	1924
1925	---	---	---	0.711	8.71	7.70	9.49	10.3	8.90	1.20	---	---	---	1925
1926	---	---	---	0.167	10.9	14.9	17.8	9.95	4.71	0	---	---	---	1926
1927	---	---	---	0	0.841	4.70	5.15	6.73	5.30	0.054	---	---	---	1927
1928	---	---	---	0	9.01	8.61	4.89	6.66	8.61	0	---	---	---	1928
1929	---	---	---	0.991	7.24	13.3	30.0	16.7	14.6	1.93	---	---	---	1929
1930	---	---	---	0	6.60	20.3	24.8	19.3	16.5	9.11	---	---	---	1930
1931	---	---	---	2.01	16.9	20.2	11.2	19.2	11.7	0	---	---	---	1931
1932	---	---	---	0	2.66	7.71	13.7	14.5	10.0	0	---	---	---	1932
1933	---	---	---	0	2.35	22.9	26.9	17.6	13.9	2.26	---	---	---	1933
1934	---	---	---	0.809	17.1	15.4	19.6	19.5	16.9	3.62	---	---	---	1934
1935	---	---	---	0	6.77	13.7	15.2	13.5	12.2	0	---	---	---	1935
1936	---	---	---	0	4.30	12.4	33.1	17.5	22.9	0.494	---	---	---	1936
1937	---	---	---	0	7.61	22.6	31.9	18.5	17.8	2.58	---	---	---	1937
1938	---	---	---	0	4.73	20.1	24.1	14.6	16.7	0	---	---	---	1938
1939	---	---	---	0.200	14.7	12.3	13.6	17.9	14.3	0	---	---	---	1939
1940	---	---	---	0	4.05	16.5	20.7	13.9	9.21	0	---	---	---	1940
1941	---	---	---	3.83	5.80	14.8	23.4	12.5	9.03	0	---	---	---	1941
1942	---	---	---	1.98	10.5	13.4	8.60	10.3	9.97	0	---	---	---	1942
1943	---	---	---	1.71	4.82	10.8	15.2	14.4	12.8	3.69	---	---	---	1943
1944	---	---	---	1.36	12.5	13.6	16.5	11.9	13.1	1.19	---	---	---	1944
1945	---	---	---	0.078	7.09	11.2	12.2	13.7	12.0	1.80	---	---	---	1945
1946	---	---	---	1.14	10.7	15.3	12.3	14.0	11.4	0.375	---	---	---	1946
1947	---	---	---	0	9.32	13.0	17.9	12.7	9.52	1.78	---	---	---	1947
1948	---	---	---	0	0.098	4.77	15.4	12.3	9.93	1.31	---	---	---	1948
1949	---	---	---	2.24	13.8	22.0	17.0	13.4	14.5	4.10	---	---	---	1949
1950	---	---	---	0	5.99	22.3	12.8	7.59	9.29	1.89	---	---	---	1950
1951	---	---	---	0	1.75	7.17	6.63	6.92	5.70	0.263	---	---	---	1951
1952	---	---	---	0	6.94	7.81	5.97	6.55	7.78	1.68	---	---	---	1952
1953	---	---	---	0	3.42	4.82	4.78	7.99	7.94	1.89	---	---	---	1953
1954	---	---	---	0.028	3.85	7.58	13.1	8.18	5.00	0.037	---	---	---	1954
1955	---	---	---	0.138	1.65	9.89	8.60	9.95	8.38	0.576	---	---	---	1955
1956	---	---	---	0	3.39	12.0	9.29	8.36	6.99	0.492	---	---	---	1956
1957	---	---	---	0.001	7.98	13.4	10.6	9.01	7.53	1.10	---	---	---	1957
1958	---	---	---	0.007	11.0	11.4	9.38	9.52	9.40	0.569	---	---	---	1958
1959	---	---	---	2.22	7.35	12.3	9.78	8.94	8.72	1.33	---	---	---	1959
1960	---	---	---	1.27	3.77	12.8	11.0	9.42	8.97	0.167	---	---	---	1960
1961	---	---	---	1.56	8.19	17.1	15.5	10.7	11.7	0.267	---	---	---	1961
1962	---	---	---	1.36	9.87	15.4	16.4	13.3	11.8	2.98	---	---	---	1962
1963	---	---	---	1.32	12.4	16.7	8.40	11.3	11.8	4.25	0.012	---	8.28	1963
1964	---	---	---	0.256	7.62	15.5	12.3	14.5	12.1	3.12	---	---	---	1964
1965	---	---	---	0.071	8.05	11.3	5.12	8.38	6.96	0.964	---	---	---	1965
1966	---	---	---	0	6.55	10.1	12.3	7.81	7.51	1.75	---	---	---	1966
1967	---	---	---	0.239	2.30	4.95	12.3	14.9	11.3	2.40	---	---	---	1967
1968	---	---	---	0.967	11.6	11.4	9.99	9.04	8.11	0.793	---	---	---	1968
1969	---	---	---	0	5.45	15.3	7.51	9.71	6.39	0.147	---	---	---	1969
1970	---	---	---	0.006	5.83	11.0	9.39	10.4	11.2	1.76	---	---	---	1970
1971	---	---	---	0	6.30	9.62	11.6	12.2	9.76	0.605	0.030	---	6.30	1971
1972	---	---	---	0.645	9.62	13.0	9.89	10.2	8.33	0.066	---	---	---	1972
1973	---	---	---	0.127	8.72	12.2	11.2	11.2	8.64	0.072	---	---	---	1973
1974	---	---	---	0.231	2.22	9.70	12.2	12.6	9.37	0.109	---	---	---	1974
1975	---	---	---	0.022	5.19	11.4	13.2	12.7	10.8	0.217	---	---	---	1975
1976	---	---	---	2.87	10.8	15.3	14.5	13.2	14.7	0.471	---	---	---	1976
1977	---	---	---	1.38	12.0	15.5	14.2	11.9	8.43	0.267	---	---	---	1977
1978	---	---	---	0.042	6.22	7.79	13.5	12.9	7.42	0.048	0	---	6.03	1978
1979	---	---	---	0	4.49	16.1	18.2	14.7	10.8	0.236	0	---	8.10	1979
1980	---	---	---	0.033	10.8	13.4	15.7	12.8	10.3	0.537	0.033	---	7.98	1980
1981	---	---	---	2.13	7.99	10.4	10.7	9.32	9.66	0.408	0.025	---	6.34	1981
1982	---	---	---	0.033	6.02	16.7	13.1	15.6	8.49	0.627	0.010	---	7.59	1982
1983	---	---	---	1.78	7.76	10.3	13.8	15.1	11.7	0.199	---	---	---	1983
1984	---	---	---	2.39	10.6	13.5	21.2	18.1	9.59	0.187	0.013	---	9.50	1984
1985	---	---	---	0.308	9.73	17.9	23.1	16.4	6.24	0.150	0.012	---	9.28	1985
1986	---	---	---	2.25	4.28	17.8	15.8	12.5	8.39	0.290	---	---	---	1986
1987	---	---	---	0.331	11.2	19.8	13.7	8.82	6.75	0.152	0.021	---	7.60	1987
1988	---	---	---	1.00	19.4	22.5	17.0	11.6	8.41	0.125	0.034	---	10.0	1988
1989	---	---	---	0.436	6.38	14.5	16.0	14.2	5.46	0.120	0.077	---	7.18	1989

CONTINUED

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003 (CONTINUED)

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1990	---	---	---	0.864	8.37	8.89	17.1	14.4	9.73	0.134	0.032	---	7.48	1990
MEAN	---	---	---	0.686	7.09	12.7	14.1	11.7	9.80	1.03	0.023	---	7.82	MEAN

LOCATION - LAT 51 01 00 N
LONG 113 50 30 W

REGULATED SINCE 1908

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908					1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	---	---	---	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1934	---	---	---	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	---	---	---	---	1937
1938	---	---	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960		18.6 ON MAY 28	0 E ON APR 01 *		1960
1961	---	16.4E ON APR 24	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	22.2 ON JUN 05	0 ON APR 01	---	1965
1966	---	25.8 ON JUN 06	0 ON APR 01	175 000	1966
1967	---	---	---	---	1967
1968	---	14.4E ON JUL 16	---	---	1968
1969	---	18.1 ON JUL 27	0 E ON APR 01	---	1969
1970	---	17.2 ON MAY 30	---	---	1970
1971	---	---	0 ON APR 01	---	1971
1972	---	18.6 ON JUN 06	---	---	1972
1973	---	19.2 ON MAY 05	0 ON APR 01	---	1973
1974	---	16.6 ON APR 30	0 ON APR 01	---	1974
1975	---	---	0 ON APR 01	133 000	1975
1976	---	16.7 ON JUN 23	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	16.7 ON AUG 16	---	---	1980
1981	---	21.0 ON JUL 02	---	---	1981
1982	---	---	0 ON APR 01	---	1982
1983	---	21.7 ON MAY 24	0 ON APR 01	127 000	1983
1984	---	16.4 ON MAY 02	0 ON APR 01	171 000	1984
1985	---	23.4 ON JUN 24	0 ON NOV 11	---	1985
1986	---	---	0 E ON APR 01	168 000	1986
1987	---	23.9 ON JUL 21	---	134 000	1987
1988	---	---	0 ON NOV 18	160 000	1988
1989	---	26.4 ON JUL 13	---	---	1989
1990	---	---	0 E ON NOV 06	200 000	1990
		22.4 ON JUN 17	---	---	
		27.7 ON JUN 07 *	0 E ON NOV 15	196 000	
		20.0 ON JUN 09	0 B ON NOV 25	---	
	22.2 AT 20:55 MST ON JUL 14 *		0.041B ON NOV 30	160 000	
		21.7 ON JUL 14		212 000	
			0.025A ON NOV 29	151 000	
				158 000	
				165 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO SEP IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	14.6	31.9	37.8	31.6	23.3	11.3	---	---	27.8	1966
1967	---	---	---	---	9.73	58.6	63.8	33.3	29.2	10.7	---	---	38.8	1967
1968	---	---	---	---	13.1	35.3	48.7	39.2	25.8	7.41	---	---	32.5	1968
1969	---	---	---	---	---	54.8	40.4	---	---	---	---	---	---	1969
1970	---	---	---	---	7.94	54.1	44.9	35.2	11.7	5.60	---	---	30.7	1970
1971	---	---	---	---	18.6	44.4	42.5	45.0	20.0	9.19	---	---	34.1	1971
1972	---	---	---	---	17.6	63.0	41.3	39.2	15.8	8.85	---	---	35.3	1972
1973	---	---	---	---	16.0	40.2	37.5	33.7	15.1	7.94	---	---	28.5	1973
1974	---	---	---	---	9.56	52.6	53.3	38.2	21.1	9.54	---	---	34.9	1974
1975	---	---	---	---	8.01	32.0	56.8	29.1	14.5	8.77	---	---	28.1	1975
1976	---	---	---	---	17.2	29.6	57.0	51.4	28.4	10.3	---	---	36.8	1976
1977	---	---	---	---	10.5	42.2	38.7	39.0	16.1	5.52	---	---	29.3	1977
1978	---	---	---	---	10.8	53.7	60.8	38.1	40.0	13.3	---	---	40.6	1978
1979	---	---	---	---	---	39.1	49.0	35.9	21.2	8.56	---	---	---	1979
1980	---	---	---	---	25.9	39.0	37.2	29.1	16.8	10.7	---	---	29.6	1980
1981	---	---	---	---	20.5	28.9	47.0	45.0	21.0	5.28	---	---	32.6	1981
1982	---	---	---	---	5.13	35.9	54.5	37.6	29.9	9.92	---	---	36.5	1982
1983	---	---	---	---	13.5	37.9	43.9	37.0	17.0	7.92	---	---	29.9	1983
1984	---	---	---	---	4.84	50.4	43.7	41.2	23.6	9.82	---	---	32.7	1984
1985	---	---	---	---	19.3	34.4	45.4	29.0	12.6	5.32	---	---	28.2	1985
1986	---	---	---	---	18.1	56.1	49.3	36.6	15.7	6.74	---	---	35.1	1986
1987	---	---	---	---	20.7	55.8	43.5	31.9	19.3	6.78	---	---	34.2	1987
1988	---	---	---	---	17.3	45.2	36.7	37.7	18.2	9.35	---	---	31.0	1988
1989	---	---	---	---	12.9	47.0	45.1	44.3	14.3	---	---	---	32.7	1989
1990	---	---	---	---	15.4	52.0	61.1	43.4	20.4	8.31	---	---	38.5	1990
MEAN	---	---	---	---	14.2	45.4	47.2	37.6	20.5	8.57	---	---	33.0	MEAN

LOCATION - LAT 52 43 29 N DRAINAGE AREA, 598 km²
LONG 117 55 29 W NATURAL FLOW

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO SEP FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	58.3 ON JUL 25	2.25E ON MAY 01	368 000	1966
1967	---	83.8 ON JUN 27	1.05 ON MAY 01 *	514 000	1967
1968	---	88.9 ON JUL 06	2.83E ON MAY 01	429 000	1968
1969	78.7 AT 17:00 MST ON JUN 04	73.6 ON JUN 05	---	---	1969
1970	77.0 AT 11:30 MST ON JUN 22	73.3 ON JUN 22	1.67 ON MAY 01	406 000	1970
1971	79.6 AT 00:00 MST ON JUN 24	70.8 ON JUN 24	4.70 ON MAY 01	451 000	1971
1972	108 E ON JUN 11	103 E ON JUN 11	1.82 ON MAY 01	467 000	1972
1973	97.1 AT 12:40 MST ON JUN 24	92.3 ON JUN 24	1.98E ON MAY 01	377 000	1973
1974	121 AT 07:30 MST ON JUN 23	114 ON JUN 23	6.37 ON MAY 18	462 000	1974
1975	88.3 AT 06:30 MST ON JUL 13	84.4 ON JUL 12	2.30 ON MAY 01	372 000	1975
1976	74.8 AT 09:30 MST ON JUL 09	71.6 ON JUL 09	4.84 ON MAY 01	487 000	1976
1977	81.3 AT 09:00 MST ON JUN 08	75.6 ON JUN 08	5.83 ON MAY 01	387 000	1977
1978	108 AT 20:15 MST ON SEP 03	91.7 ON SEP 04	5.21 ON MAY 07	537 000	1978
1979	72.2 AT 07:00 MST ON JUL 21	68.6 ON JUL 21	---	---	1979
1980	69.4 AT 09:25 MST ON JUN 17	66.1 ON JUN 17	11.0 ON SEP 27	392 000	1980
1981	68.9 AT 06:50 MST ON JUL 05	64.5 ON JUL 05	4.33E ON MAY 01	431 000	1981
1982	101 AT 09:50 MST ON JUN 22	98.5 ON JUN 22	1.40 ON MAY 01	483 000	1982
1983	84.2 AT 23:15 MST ON JUL 12	72.0 ON JUL 12	3.17 ON MAY 01	395 000	1983
1984	169 AT 09:20 MST ON JUN 29 *	153 ON JUN 29 *	2.32 ON MAY 04	432 000	1984
1985	70.2 AT 11:50 MST ON JUN 30	64.7 ON JUN 30	1.79 ON MAY 01	373 000	1985
1986	107 AT 07:04 MST ON MAY 31	99.4 ON MAY 31	1.88 ON MAY 01	464 000	1986
1987	109 AT 11:45 MST ON JUN 13	104 ON JUN 13	10.6 ON MAY 06	452 000	1987
1988	83.0 AT 10:03 MST ON JUN 08	76.8 ON JUN 08	4.54 ON MAY 06	410 000	1988
1989	85.6 AT 03:11 MST ON JUN 15	78.9 ON JUN 15	6.57 ON MAY 04	433 000	1989
1990	106 AT 11:39 MST ON JUL 13	99.2 ON JUL 13	3.73 ON MAY 01	509 000	1990
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		436 000	MEAN

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.078	0.092	0.014	0.028	0.012	---	---	---	1965
1966	---	---	---	0.008	0.088	0.060	0.030	0.042	0.016	0.009	---	---	0.041	1966
1967	---	---	---	0.001	0.027	0.068	0.012	0.004	0.002	0.001	0.001	0.001	0.019	1967
1968	0	---	---	---	---	0.006	0.006	0.006	0.003	0.003	0.003	---	---	1968
1969	---	---	---	---	0.015	0.013	0.032	0.054	0.011	0.007	0.006	0.003	0.022	1969
1970	---	---	0.001	0.002	0.016	0.018	0.008	0.003	0.001	0.001	---	---	0.008	1970
1971	---	---	---	---	0.014	0.063	0.073	0.006	0.003	0.003	---	---	0.027	1971
1972	---	---	0	0.003	0.032	0.043	0.021	0.009	0.010	0.022	0.008	0.002	0.023	1972
1973	---	---	---	---	0.064	0.037	0.009	0.004	0.002	0.004	0.003	0.001	0.020	1973
1974	---	---	---	---	---	0.016	0.012	0.005	0.005	0.002	0.001	0.001	---	1974
1975	---	---	---	---	0.007	0.010	0.009	0.001	0.001	0.001	0.001	---	0.005	1975
1976	---	---	---	---	0.006	0.004	0.003	0.012	0.003	0.002	0.001	0.001	0.005	1976
1977	---	---	---	---	0.071	0.038	0.034	0.028	0.039	0.025	---	---	0.039	1977
1978	---	---	---	---	0.037	0.065	0.037	0.013	0.018	0.006	---	---	0.029	1978
1979	---	---	---	---	---	---	---	0.008	0.004	0.004	---	---	---	1979
1980	---	---	---	---	0.013	0.121	0.044	0.020	0.021	0.010	---	---	0.038	1980
1981	---	---	---	---	0.036	0.029	0.021	0.012	0.005	0.003	---	---	0.018	1981
1983	---	---	---	---	---	---	0.033	0.010	0.005	0.006	---	---	---	1983
1984	---	---	---	---	0.035	0.029	0.007	0.003	0.009	0.014	---	---	0.016	1984
1985	---	---	---	0.005	0.011	0.031	0.013	0.011	0.018	0.012	---	---	0.016	1985
1986	---	---	---	---	0.034	0.038	0.066	0.018	0.017	0.025	---	---	0.033	1986
1987	---	---	---	---	0.013	0.008	0.009	0.069	0.017	0.007	---	---	0.021	1987
1988	---	---	---	---	0.003	0.024	0.007	0.004	0.003	0.003	---	---	0.007	1988
1989	---	---	---	---	0.018	0.011	0.014	0.026	0.016	---	---	---	---	1989
1990	---	---	---	---	0.036	---	---	0.010	0.009	0.005	---	---	---	1990
MEAN	0	---	0.001	0.004	0.029	0.037	0.026	0.016	0.011	0.008	0.003	0.002	0.022	MEAN

LOCATION - LAT 53 22 50 N DRAINAGE AREA, 3.13 km²
LONG 117 32 15 W NATURAL FLOW

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	0.365 AT 15:00 MST ON JUL 08	0.241 ON JUL 11	---	---	1965
1966	0.385 AT 16:00 MST ON MAY 10	0.266 ON MAY 10	0.007 ON OCT 18	650	1966
1967	0.193 AT 08:00 MST ON JUN 08	0.159 ON JUN 09	0.001 ON SEP 14 *	299	1967
1968	---	0.018 ON JUN 29	0.002 ON SEP 25	---	1968
1969	0.578 AT 18:00 MST ON AUG 05	0.340 ON AUG 05	0.004 ON OCT 30	354	1969
1970	0.099 AT 22:50 MST ON JUN 15	0.062 ON JUN 16	0.001E ON AUG 22	124	1970
1971	0.246 AT 21:30 MST ON JUL 11	0.210 ON JUL 12	0.001 ON SEP 04	428	1971
1972	---	0.156 ON JUN 25	0.004 ON AUG 08	361	1972
1973	0.190 AT 20:15 MST ON MAY 27	0.167 ON MAY 28	0.001 ON SEP 04	318	1973
1974	---	---	---	---	1974
1975	0.074 AT 17:30 MST ON JUN 28	0.048 ON JUN 28	0.001 ON AUG 07	78.3	1975
1976	0.079 AT 14:30 MST ON AUG 16	0.062 ON AUG 16	0.001 ON JUL 23	80.5	1976
1977	0.286 AT 18:20 MST ON MAY 29	0.187 ON MAY 30	0.001 ON MAY 01	622	1977
1978	0.326 AT 12:30 MST ON JUL 11	0.178 ON JUL 11	0.004 ON OCT 17	464	1978
1979	---	---	---	---	1979
1980	0.619 AT 19:40 MST ON JUN 04 *	0.522 ON JUN 04 *	0.004E ON MAY 01	602	1980
1981	0.252 AT 18:50 MST ON MAY 22	0.129 ON MAY 23	0.001 ON MAY 02	278	1981
1983	---	---	---	---	1983
1984	---	0.068E ON MAY 17	0.002E ON AUG 13	255	1984
1985	0.178 AT 23:10 MST ON JUN 24	0.119 ON JUN 25	0.003 ON AUG 05	252	1985
1986	0.338 AT 19:07 MST ON JUL 17	0.218 ON JUL 18	0.007 ON AUG 31	527	1986
1987	---	0.200E ON AUG 02	0.003 ON JUL 02	330	1987
1988	0.095 AT 07:40 MST ON JUN 09	0.067A ON JUN 09	0.001E ON MAY 01	115	1988
1989	0.167 AT 21:33 MST ON AUG 16	0.110 ON AUG 17	---	---	1989
1990	---	---	---	---	1990
				341	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITBURN DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD912

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	0.003	0	0.017	0.027	0	0	0	---	---	---	1988
1989	---	---	---	0.072	0	0	0	0.005	0	0.002	---	---	---	1989
1990	---	---	---	0.093	0.012	0.261	0.001	0	0	0	---	---	---	1990
MEAN	---	---	---	0.056	0.004	0.093	0.009	0.002	0	0.001	---	---	---	MEAN

LOCATION - LAT 55 51 00 N DRAINAGE AREA, 9.43 km²
LONG 119 08 00 W NATURAL FLOW

WHITBURN DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD912

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	---	0.134 ON JUN 30	0B ON APR 08 *	---	1988
1989	0.499B AT 18:17 MST ON APR 10	0.317B ON APR 11	0B ON MAR 23	---	1989
1990	6.68 AT 14:35 MST ON JUN 12 *	4.93 ON JUN 12 *	0 ON JUN 16	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WHITE EARTH CREEK NEAR SMOKY LAKE - STATION NO. 05EC006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.285	4.32	1.78	0.250	0.210	0.047	0.030	0.414	---	---	0.909	1985
1986	---	---	0.307	2.44	1.01	0.174	1.24	1.24	0.213	0.168	---	---	0.847	1986
1987	---	---	0.114	4.72	1.86	0.183	0.038	0.035	0.183	0.306	---	---	0.921	1987
1988	---	---	0.150	0.719	0.287	0.299	0.254	0.074	0.069	0.107	---	---	0.243	1988
1989	---	---	0.023	0.754	0.911	0.435	0.181	0.174	0.309	0.414	---	---	0.399	1989
1990	---	---	0.299	2.40	0.758	0.158	0.207	0.078	0.168	0.073	---	---	0.513	1990
MEAN	---	---	0.196	2.56	1.10	0.250	0.355	0.275	0.162	0.247	---	---	0.639	MEAN

LOCATION - LAT 54 06 56 N, LONG 112 18 00 W; DRAINAGE AREA, 1 000 km²; NATURAL FLOW

WHITE EARTH CREEK NEAR SMOKY LAKE - STATION NO. 05EC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	10.3B AT 13:59 MST ON APR 09 *	6.95 ON APR 10	0.001 ON AUG 18 *	19 200	1985
1986	---	4.91 ON APR 07	0.008 ON SEP 20	17 900	1986
1987	---	10.3 B ON APR 13 *	0.012 ON AUG 24	19 500	1987
1988	---	1.06B ON APR 13	0.010 ON SEP 25	5 150	1988
1989	---	1.84 ON MAY 24	0.017 ON JUL 23	8 440	1989
1990	---	3.97 ON APR 11	0.004 ON JUL 23	10 900	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 500	MEAN

WHITEHORSE CREEK NEAR CADOMIN - STATION NO. 07AF910

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	2.30	3.96	2.30	3.55	2.89	0.959	---	---	2.65	1985
1986	---	---	---	---	---	4.93	7.94	1.68	1.35	2.06	---	---	---	1986
1987	---	---	---	0.349	1.75	1.76	2.46	6.61	1.11	0.717	---	---	2.41	1987
MEAN	---	---	---	0.349	2.03	3.55	4.23	3.95	1.78	1.25	---	---	2.53	MEAN

LOCATION - LAT 52 59 00 N, LONG 117 20 40 W; DRAINAGE AREA, 115 km²; NATURAL FLOW; DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

WHITEHORSE CREEK NEAR CADOMIN - STATION NO. 07AF910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	12.6 AT 20:04 MST ON JUN 28	9.39 ON JUN 29	0.157E ON MAY 02 *	42 100	1985
1986	28.3 AT 16:01 MST ON JUL 18 *	25.3 ON JUL 18 *	---	---	1986
1987	19.4 AT 19:10 MST ON AUG 03	18.2 ON AUG 02	0.545B ON OCT 31	38 300	1987
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		40 200	MEAN

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	0	0	0.006	0.015	0	---	---	---	1969
1970	---	---	0	4.86	0.034	0.011	0.815	0.093	0	0	---	---	0.716	1970
1971	---	---	0	7.65	0.078	0.012	1.31	0.015	0	0	---	---	1.12	1971
1972	---	---	1.51	4.17	0.146	0.073	0.040	0.098	0.009	0.003	---	---	0.748	1972
1973	---	---	1.34	1.98	0.126	1.30	1.23	0.956	0.005	0.009	---	---	0.866	1973
1974	---	---	0.005	18.0	---	---	---	0.018	0.008	0	---	---	---	1974
1975	---	---	0	1.57	0.254	0.035	0.024	0.010	0.027	0	---	---	0.237	1975
1976	---	---	0.046	1.14	0.002	0.007	0.007	0.035	0.038	0.006	---	---	0.157	1976
1977	---	---	---	---	---	---	---	0	0.027	0.029	---	---	---	1977
1978	---	---	0.568	0.389	0.046	0.014	0.026	0.064	1.91	0.123	---	---	0.395	1978
1979	---	---	3.63	2.11	0.291	0.073	0.145	0.060	0.002	0.022	---	---	0.792	1979
1980	---	---	0.011	3.44	0.056	0.484	0.284	1.02	1.14	0.313	---	---	0.834	1980
1981	---	---	2.81	0.232	0.106	0.077	0.166	0.253	0.004	0.013	---	---	0.462	1981
1982	---	---	0	7.06	0.383	0.073	2.44	0.019	0.020	0.043	---	---	1.24	1982
1983	---	---	0.624	1.21	0.015	0.540	3.81	0.103	0.007	0.009	---	---	0.791	1983
1984	---	---	0.621	0.135	0.028	0.308	0.008	0.005	0.431	0.257	---	---	0.223	1984
1985	---	---	2.27	5.47	0.212	0.033	0.003	0.037	0.005	0.015	---	---	0.994	1985
1986	---	---	2.16	0.140	0.215	0.032	0.188	0.026	0.006	0.061	---	---	0.357	1986
1987	---	---	0.058	0.972	0.136	0.048	0.038	0.148	0.137	0.002	---	---	0.190	1987
1988	---	---	0.006	0.007	0.001	0.031	0.906	0.079	0.075	0.035	---	---	0.136	1988
1989	---	---	0.063	3.12	0.077	0.105	0.240	0.018	0.016	0.009	---	---	0.448	1989
1990	---	---	2.55	1.37	0.279	0.076	---	---	---	---	---	---	---	1990
MEAN	---	---	0.914	3.25	0.131	0.167	0.615	0.146	0.182	0.047	---	---	0.595	MEAN

LOCATION - LAT 53 24 44 N LONG 113 35 30 W DRAINAGE AREA, 335 km² NATURAL FLOW

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON MAY 22 *	---	1969
1970	36.5 AT 21:47 MST ON APR 10	31.7 ON APR 11	0 B ON MAR 01	15 100	1970
1971	54.9 B AT 01:00 MST ON APR 17	41.1 B ON APR 16	0 B ON MAR 01	23 600	1971
1972	17.4 AT 17:30 MST ON APR 07	15.5 ON APR 07	0 B ON MAR 01	15 800	1972
1973	17.3 B AT 12:00 MST ON MAR 31	10.9 B ON MAR 31	0 B ON MAR 01	18 300	1973
1974	114 AT 09:00 MST ON APR 23 *	95.1 ON APR 23 *	0 ON OCT 03	---	1974
1975	10.3 B AT 16:30 MST ON APR 21	7.93B ON APR 22	0 B ON MAR 01	5 010	1975
1976	---	8.78B ON APR 06	0 B ON MAR 01	3 330	1976
1977	---	---	0 ON JUN 28	---	1977
1978	8.07 AT 17:20 MST ON SEP 19	7.65 ON SEP 19	0 B ON MAR 01	8 350	1978
1979	13.8 B AT 19:15 MST ON MAR 18	13.6 B ON MAR 17	0 B ON MAR 01	16 800	1979
1980	15.8 B AT 18:45 MST ON APR 06	14.4 B ON APR 06	0 B ON MAR 01	17 700	1980
1981	12.9 AT 22:30 MST ON MAR 15	11.2 B ON MAR 16	0 ON JUN 29	9 790	1981
1982	48.6 AT 11:10 MST ON APR 23	44.2 ON APR 23	0 B ON MAR 01	26 300	1982
1983	18.2 AT 09:25 MST ON JUL 08	16.5 ON JUL 08	0 B ON MAR 01	16 800	1983
1984	---	4.27B ON MAR 24	0 B ON MAR 01	4 720	1984
1985	39.7 AT 16:05 MST ON APR 02	35.0 ON APR 02	0 B ON MAR 01	21 000	1985
1986	9.75 AT 17:50 MST ON MAR 04	8.56B ON MAR 04	0.001 ON JUN 11	7 550	1986
1987	---	4.14B ON APR 03	0 B ON MAR 01	4 020	1987
1988	4.15 AT 16:04 MST ON JUL 07	3.98 ON JUL 08	0 B ON MAR 01	2 880	1988
1989	---	11.0 B ON APR 04	0 B ON MAR 01	9 480	1989
1990	10.6 AT 11:34 MST ON JUL 05	9.82 ON JUL 05	0 B ON MAR 01	---	1990
				12 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1972	0.082	0.069	0.158	7.91	42.2	3.10	20.4	2.63	0.864	0.957	0.364	0.174	---	1972
1973	0.208	0.141	0.196	20.9	44.2	19.3	5.45	7.83	1.32	2.22	0.922	0.313	10.7	1973
1974	0.282	0.241	0.167	32.1	27.5	66.4	6.59	6.60	3.81	3.66	1.81	0.484	10.9	1974
								10.0	6.21	5.10	1.53	0.554	16.5	
1975	0.262	0.160	0.128	4.38	13.8	6.97	6.06	0.621	0.879	0.390	0.315	0.153	4.16	1975
1976	0.090	0.085	0.060	12.9	6.30	10.3	14.3	17.4	4.48	2.27	0.991	0.537	8.49	1976
1977	0.347	0.143	0.267	9.54	16.4	43.3	4.63	2.52	1.77	5.74	1.71	0.452	10.4	1977
1978	0.231	0.143	0.151	6.15	37.7	6.78	4.64	0.464	4.38	2.12	0.730	0.309	7.45	1978
1979	0.130	0.126	0.106	2.59	35.6	24.5	17.4	3.99	2.24	1.34	0.297	0.107	11.0	1979
1980	0.032	0.007	0.005	1.58	1.03	1.98	2.54	1.44	2.27	1.75	0.768	0.074	1.57	1980
1981	0.001	0.043	0.632	7.05	17.7	7.20	2.67	0.319	0.025	0.156	0.184	0.097	4.49	1981
1982	0.071	0.011	0.029	2.48	15.2	0.887	0.108	2.23	0.248	0.272	0.162	0.087	2.71	1982
1983	0.022	0.034	0.058	3.34	3.91	12.7	20.2	10.4	1.93	4.09	0.623	0.300	6.61	1983
1984	0.064	0.059	0.330	2.18	20.4	10.7	18.4	1.76	2.38	1.70	0.838	0.268	7.25	1984
1985	0.201	0.117	0.188	6.84	10.9	2.19	1.73	0.362	2.94	3.25	0.676	0.097	3.24	1985
1986	0.112	0.084	0.695	7.95	24.8	2.09	4.14	1.21	0.119	0.957	0.503	0.198	5.26	1986
1987	0.116	0.090	0.100	8.56	4.71	6.54	1.12	13.6	1.64	0.624	---	---	4.56	1987
1988	---	---	0.270	3.37	15.9	19.6	28.4	2.70	1.13	0.592	---	---	9.01	1988
1989	---	---	0.113	5.57	22.2	9.77	1.67	4.45	2.71	4.02	---	---	6.32	1989
1990	---	---	0.626	11.6	18.0	28.2	8.58	0.595	0.086	0.189	---	---	8.42	1990
MEAN	0.146	0.111	0.225	8.25	21.1	11.7	8.65	4.57	2.03	1.92	0.776	0.263	7.33	MEAN

LOCATION - LAT 56 30 40 N
LONG 117 39 32 W
DRAINAGE AREA, 2 010 km²
NATURAL FLOW

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	71.1 E AT 12:00 MST ON APR 30	69.7 E ON APR 30	0.051B ON MAR 01	227 000	1972
1973	54.1 AT 17:00 MST ON MAY 08	53.8 ON MAY 08	0.113B ON MAR 03	230 000	1973
1974	122 AT 16:30 MST ON MAY 01 *	122 ON MAY 01 *	0.113B ON MAR 24	349 000	1974
1975	35.4 AT 23:00 MST ON JUN 30	33.7 ON JUN 30	0.113B ON APR 03	88 100	1975
1976	58.9 AT 23:00 MST ON JUN 30	56.1 ON JUN 30	0.051B ON MAR 01	180 000	1976
1977	101 AT 07:30 MST ON JUN 07	101 ON JUN 07	0.147B ON MAR 21	221 000	1977
1978	116 AT 18:00 MST ON MAY 25	107 ON MAY 25	0.040 ON AUG 16	158 000	1978
1979	57.9 AT 21:30 MST ON MAY 02	54.1 ON MAY 02	0.094B ON APR 03	233 000	1979
1980	7.07B AT 06:30 MST ON APR 21	6.20 ON JUL 09	0 B ON MAR 14 *	33 200	1980
1981	40.5 AT 14:30 MST ON MAY 04	40.1 ON MAY 04	0.004 ON SEP 18	95 000	1981
1982	36.0 AT 12:30 MST ON MAY 05	35.5 ON MAY 05	0.015B ON MAR 01	57 300	1982
1983	71.6 AT 09:00 MST ON JUL 31	71.0 ON JUL 31	0.034B ON APR 07	140 000	1983
1984	74.3 AT 22:00 MST ON MAY 25	74.0 ON MAY 25	0.075B ON MAR 01	153 000	1984
1985	26.1 AT 09:00 MST ON MAY 07	25.8 ON MAY 07	0.068B ON MAR 12	75 000	1985
1986	42.6 AT 19:30 MST ON MAY 16	42.4 ON MAY 16	0.048 ON SEP 19	111 000	1986
1987	43.6 AT 07:00 MST ON AUG 05	43.3 ON AUG 05	0.064B ON MAR 10	96 500	1987
1988	57.3 AT 19:30 MST ON JUN 13	56.4 ON JUN 13	0.086B ON MAR 03	191 000	1988
1989	61.5 AT 15:30 MST ON MAY 30	59.9 ON MAY 30	0.100B ON MAR 28	134 000	1989
1990	85.7 AT 22:30 MST ON JUN 17	81.1 ON JUN 17	0.036 ON SEP 27	178 000	1990
				155 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	1.09	5.23	12.1	31.4	39.2	21.1	18.4	10.9	---	---	22.1	1965
1966	---	---	1.54	2.16	20.8	26.9	21.8	17.0	10.8	6.38	---	---	17.2	1966
1967	---	---	1.42	1.70	14.7	35.5	13.2	7.80	4.73	3.62	---	---	13.2	1967
1968	---	---	3.99	2.60	14.0	19.2	17.2	12.6	7.62	4.10	---	---	12.5	1968
1969	---	---	---	---	---	12.7	13.8	25.5	6.57	4.82	---	---	---	1969
1970	---	---	---	---	8.06	15.4	7.30	3.95	3.02	2.53	---	---	6.68	1970
1971	---	---	---	---	8.12	34.1	32.8	8.87	5.22	4.39	---	---	15.5	1971
1972	---	---	---	---	11.5	36.5	12.5	7.25	5.96	6.19	---	---	13.5	1972
1973	---	---	---	---	11.0	17.2	11.0	5.86	3.95	3.68	---	---	8.77	1973
1974	---	---	---	---	8.89	24.4	16.8	8.81	6.41	4.41	---	---	11.6	1974
1975	---	---	---	---	4.56	9.53	11.7	4.91	3.63	2.56	---	---	6.15	1975
1976	---	---	---	---	10.2	12.5	13.0	17.6	7.84	4.44	---	---	10.9	1976
1977	---	---	---	---	14.5	25.3	21.6	14.8	13.1	8.58	---	---	16.4	1977
1978	---	---	---	---	10.0	24.8	23.6	10.4	13.3	7.86	---	---	15.0	1978
1979	---	---	---	---	8.41	14.0	9.24	6.13	4.25	3.12	---	---	7.51	1979
1980	---	---	---	---	5.83	39.9	15.3	10.8	9.28	6.13	---	---	14.4	1980
1981	---	---	---	---	11.2	11.3	8.99	8.92	5.28	3.61	---	---	8.21	1981
1982	---	---	---	---	7.24	26.1	35.3	14.9	11.3	11.5	---	---	17.7	1982
1983	---	---	---	---	6.24	12.3	13.0	6.59	4.24	3.15	---	---	7.58	1983
1984	---	---	---	---	4.93	20.9	11.5	5.89	6.92	11.1	---	---	10.2	1984
1985	---	---	---	---	7.24	12.8	9.59	6.08	9.84	7.04	---	---	8.73	1985
1986	---	---	---	---	11.6	20.1	24.7	13.4	6.22	7.22	---	---	13.6	1986
1987	---	---	---	---	5.92	8.32	6.04	16.1	9.01	3.85	---	---	8.42	1987
1988	---	---	---	---	4.82	7.43	4.84	5.67	3.11	4.81	---	---	4.45	1988
1989	---	---	---	---	8.48	17.4	14.6	25.2	15.8	7.54	---	---	14.8	1989
1990	---	---	---	---	11.1	39.6	32.5	12.5	9.76	5.62	---	---	18.4	1990
MEAN	---	---	2.01	2.92	9.65	21.5	17.0	11.5	7.82	5.68	---	---	12.1	MEAN

LOCATION - LAT 53 31 24 N DRAINAGE AREA, 959 km²
LONG 117 56 49 W NATURAL FLOW

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	110 AT 23:00 MST ON JUL 11	92.9 ON JUL 12	4.90 ON MAY 07	352 000	1965
1966	44.7 AT 19:00 MST ON MAY 26	44.9 ON MAY 27	3.41 B ON MAY 01	274 000	1966
1967	54.9 AT 05:00 MST ON JUN 03	52.4 ON JUN 03	2.97 ON OCT 30	209 000	1967
1968	59.4 AT 12:50 MST ON JUN 12	48.9 ON JUN 12	2.83 B ON MAY 01	199 000	1968
1969	122 AT 06:07 MST ON AUG 06	96.3 ON AUG 06	---	---	1969
1970	25.1 AT 04:40 MST ON JUN 04	23.4 ON JUN 04	2.12 ON MAY 01	106 000	1970
1971	117 AT 21:00 MST ON JUN 09	97.7 ON JUN 09	3.40 E ON OCT 31	247 000	1971
1972	118 AT 14:00 MST ON JUN 13	112 ON JUN 13	4.89 ON MAY 01	215 000	1972
1973	29.2 AT 22:45 MST ON JUN 24	26.9 ON JUN 25	2.37 ON MAY 01	139 000	1973
1974	40.8 AT 06:40 MST ON JUN 17	38.8 ON JUN 17	3.54 E ON OCT 31	184 000	1974
1975	17.3 AT 12:40 MST ON JUL 04	17.0 ON JUL 04	0.603 E ON MAY 01 *	97 700	1975
1976	29.7 AT 02:10 MST ON AUG 17	28.2 ON AUG 17	3.43 E ON OCT 31	174 000	1976
1977	45.3 AT 05:20 MST ON JUN 08	42.2 ON JUN 08	2.23 ON MAY 02	261 000	1977
1978	77.3 AT 17:40 MST ON JUL 11	61.4 ON JUL 12	3.35 ON OCT 31	238 000	1978
1979	28.7 AT 12:15 MST ON MAY 27	24.1 ON MAY 27	2.66 A ON OCT 30	119 000	1979
1980	166 AT 18:20 MST ON JUN 04 *	121 ON JUN 04 *	4.48 ON OCT 31	230 000	1980
1981	46.0 AT 06:30 MST ON MAY 23	41.4 ON MAY 23	2.92 ON OCT 30	131 000	1981
1982	75.0 AT 05:55 MST ON JUL 05	73.0 ON JUL 05	3.15 E ON MAY 01	282 000	1982
1983	29.2 AT 19:50 MST ON JUN 24	26.5 ON JUN 25	2.57 ON OCT 25	121 000	1983
1984	35.6 AT 09:00 MST ON JUN 14	33.9 ON JUN 14	2.35 ON MAY 05	162 000	1984
1985	20.3 AT 11:00 MST ON JUN 30	19.9 ON JUN 30	2.02 ON MAY 01	139 000	1985
1986	63.3 AT 17:34 MST ON JUL 18	60.6 ON JUL 18	1.74 ON MAY 02	216 000	1986
1987	62.7 AT 09:46 MST ON AUG 02	59.0 ON AUG 02	2.89 ON MAY 01	134 000	1987
1988	9.9 E AT 13:32 MST ON JUN 09	9.74 ON JUN 09	2.30 B ON OCT 28	70 800	1988
1989	50.1 AT 19:37 MST ON AUG 17	46.6 ON AUG 18	4.20 ON MAY 01	236 000	1989
1990	116 AT 02:17 MST ON JUL 07	101 ON JUL 07	3.10 ON MAY 01	293 000	1990
				193 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---									
1966	0.123	0.099	0.375	---	---	4.10	1.79	0.425	0.938	0.679	0.318	0.195	---	1965
1967	0.074	0.089	0.245	0.731	2.12	3.58	1.24	0.763	0.306	0.267	0.232	0.116	0.831	1966
1968	0.132	0.090	0.213	0.925	7.89	10.2	0.773	0.166	0.066	0.080	0.125	0.150	1.73	1967
1969	0.259	0.238	0.292	0.438	1.24	2.39	0.729	0.569	1.14	1.30	0.576	0.448	0.772	1968
				3.10	4.05	8.05	6.63	0.336	0.156	0.194	0.181	0.117	1.97	1969
1970	0.011	0.055	0.121	0.538	3.63	5.17	1.09	0.136	0.145	0.171	0.149	0.084	0.943	1970
1971	0.076	0.135	0.114	1.10	5.51	3.00	0.368	0.089	0.114	0.207	0.202	0.044	0.662	1971
1972	0.069	0.074	0.579	2.06	5.35	2.56	0.863	1.41	0.996	0.830	0.519	0.291	1.30	1972
1973	0.257	0.240	0.479	1.47	4.29	2.38	0.408	0.216	0.226	0.164	0.116	0.097	0.864	1973
1974	0.056	0.042	0.186	1.79	6.84	4.01	0.540	0.516	0.430	0.385	0.227	0.187	1.27	1974
1975	0.063	0.090	0.113	1.02	6.49	6.02	2.35	0.639	0.287	0.270	0.154	0.123	1.48	1975
1976	0.118	0.083	0.277	1.03	2.21	1.27	0.443	4.36	0.556	0.303	0.199	0.158	0.924	1976
1977	0.104	0.134	0.167	0.430	0.453	0.233	0.082	0.234	0.302	0.295	0.154	0.104	0.224	1977
1978	0.090	0.077	0.346	1.29	4.25	3.28	1.83	0.708	0.510	0.338	0.304	0.210	1.11	1978
1979	0.135	0.104	0.472	1.29	4.29	1.33	0.311	0.251	0.128	0.100	0.079	0.155	0.725	1979
1980	0.101	0.064	0.078	1.21	1.83	2.62	0.321	0.335	0.517	0.436	0.381	0.260	0.678	1980
1981	0.250	0.197	0.330	0.440	9.06	4.53	1.39	0.644	0.175	0.167	0.140	0.047	1.46	1981
1982	0	0.001	0.010	0.562	0.855	2.64	0.605	0.094	0.117	0.188	0.150	0.080	0.441	1982
1983	0.063	0.093	0.411	0.955	1.76	1.22	0.403	0.131	0.245	0.100	0.075	0.020	0.423	1983
1984	0.032	0.072	0.133	0.297	0.605	0.882	0.180	0.019	0.015	0.125	0.082	0.051	0.207	1984
1985	0.033	0.022	0.105	0.628	1.04	0.961	0.100	0.223	1.68	1.25	0.581	0.183	0.567	1985
1986	0.160	0.405	0.552	1.10	3.66	1.75	0.426	0.160	0.516	1.19	0.391	0.273	0.902	1986
1987	0.107	0.194	0.280	1.16	0.909	0.228	0.698	0.870	0.345	0.232	0.169	0.073	0.439	1987
1988	0.014	0.040	0.166	0.429	0.599	0.569	0.078	0.085	0.040	0.064	0.054	0.037	0.181	1988
1989	0.035	0.027	0.058	0.641	1.90	1.19	0.162	0.099	0.221	0.166	0.170	0.092	0.398	1989
1990	0.092	0.084	0.180	0.686	7.00	4.94	1.17	1.16	0.295	0.245	0.209	0.164	1.36	1990
MEAN	0.098	0.110	0.239	1.01	3.39	3.04	0.961	0.564	0.394	0.375	0.236	0.145	0.874	MEAN

LOCATION - LAT 50 11 47 N LONG 114 12 46 W DRAINAGE AREA, 162 km² NATURAL FLOW

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	22.5 AT 22:30 MST ON JUN 17	16.3 ON JUN 18	---	---	1965
1966	---	10.8 ON JUN 05	0.085B ON MAR 07	26 200	1966
1967	---	39.1 ON MAY 31	0.042 ON SEP 21	54 400	1967
1968	---	4.84 ON JUN 07	0.059B ON FEB 21	24 400	1968
1969	45.3 A AT 12:00 MST ON JUN 25	39.4 A ON JUN 25 *	0.031B ON DEC 31	62 200	1969
1970	42.5 AT 13:10 MST ON JUN 13	18.4 ON JUN 14	0.001B ON JAN 17	29 800	1970
1971	---	11.7 A ON JUN 06	0.006B ON DEC 19	50 900	1971
1972	17.5 AT 08:40 MST ON AUG 23	8.33 ON MAY 15	0.065B ON JAN 01	41 200	1972
1973	---	12.7 A ON MAY 26	0.065B ON DEC 07	27 200	1973
1974	17.1 E ON APR 27	11.0 E ON APR 27	0.017B ON JAN 10	40 200	1974
1975	53.0 AT 03:30 MST ON JUN 20 *	38.5 ON JUN 20	0.014B ON JAN 18	46 500	1975
1976	43.9 AT 21:00 MST ON AUG 05	20.8 ON AUG 06	0.068B ON FEB 10	29 200	1976
1977	---	1.03B ON APR 06	0.015 ON AUG 02	7 080	1977
1978	10.8 AT 01:40 MST ON MAY 31	9.32 ON MAY 31	0.054B ON MAR 05	35 000	1978
1979	8.32 AT 22:20 MST ON MAY 16	7.16 ON MAY 16	0.040B ON DEC 01	22 900	1979
1980	9.99 AT 23:00 MST ON JUN 02	8.12 ON MAY 26	0.020B ON FEB 23	21 400	1980
1981	48.6 AT 00:20 MST ON MAY 20	31.5 ON MAY 20	0.002B ON DEC 31	46 000	1981
1982	5.59 AT 21:00 MST ON JUN 07	5.18 ON JUN 10	0 B ON JAN 04 *	13 900	1982
1983	5.82 AT 07:55 MST ON APR 25	4.17A ON APR 25	0 ON SEP 07	13 300	1983
1984	2.09 AT 08:54 MST ON MAY 16	1.69 ON JUN 10	0 ON AUG 18	6 560	1984
1985	9.53 AT 19:59 MST ON SEP 12	6.73 ON SEP 13	0.012B ON FEB 10	17 900	1985
1986	7.19 AT 15:00 MST ON MAY 21	6.72 ON MAY 22	0.061B ON FEB 23	28 500	1986
1987	4.71 AT 10:28 MST ON JUL 19	3.91 ON JUL 19	0.021B ON DEC 31	13 800	1987
1988	1.71 AT 00:28 MST ON JUN 09	1.52 ON JUN 09	0 B ON JAN 12	5 730	1988
1989	3.72 AT 00:31 MST ON MAY 08	3.59 ON MAY 07	0.020B ON JAN 09	12 600	1989
1990	29.7 A ON MAY 25	26.2 A ON MAY 26	0.060B ON FEB 01	42 900	1990
				27 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0.545	0.292	0.412	0.426	0.449	---	---	---	1977
1978	---	---	2.23	1.85	8.33	8.88	4.33	1.80	1.42	0.711	---	---	3.69	1978
1979	---	---	1.61	4.60	11.2	4.10	1.15	0.935	0.432	0.371	---	---	3.05	1979
1980	---	---	0.822	2.54	2.93	5.64	0.612	0.642	0.899	0.914	---	---	1.86	1980
1981	---	---	1.06	1.01	17.6	11.9	3.93	1.92	0.697	0.671	---	---	4.86	1981
1982	---	---	0.747	2.77	1.17	4.30	1.88	0.492	0.536	0.570	---	---	1.55	1982
1983	---	---	1.05	1.64	1.73	1.97	0.905	0.399	0.140	0.358	---	---	1.02	1983
1984	---	---	0.613	0.669	0.763	0.760	0.330	0.201	0.348	0.389	---	---	0.508	1984
1985	---	---	0.681	1.27	0.842	0.576	0.270	0.318	1.12	1.41	---	---	0.809	1985
1986	---	---	1.26	2.27	6.54	3.62	1.21	0.659	0.983	1.93	---	---	2.31	1986
1987	---	---	1.32	2.05	1.41	1.03	0.821	0.975	0.550	0.525	---	---	1.08	1987
1988	---	---	0.483	0.565	0.537	0.616	0.392	0.343	0.268	0.263	---	---	0.433	1988
1989	---	---	0.516	1.16	1.32	1.03	0.772	0.405	0.330	0.518	---	---	0.756	1989
1990	---	---	0.641	1.23	10.8	12.0	2.62	2.24	0.542	0.396	---	---	3.80	1990
MEAN	---	---	1.00	1.82	5.01	4.07	1.39	0.839	0.621	0.677	---	---	1.98	MEAN

LOCATION - LAT 50 08 25 N DRAINAGE AREA, 727 km²
LONG 113 56 21 W REGULATED SINCE 1966

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	1.70 AT 01:15 MST ON JUN 17	---	---	---	1977
1978	24.6 AT 08:30 MST ON MAY 31	23.6 ON MAY 31	0.309B ON MAR 02	78 100	1978
1979	16.3 AT 05:40 MST ON MAY 17	15.5 ON MAY 17	0.275E ON OCT 30	64 700	1979
1980	12.4 AT 15:30 MST ON MAY 27	11.6 ON MAY 27	0.364 ON JUL 31	39 400	1980
1981	69.1 AT 03:40 MST ON JUN 14 *	51.2 ON MAY 22 *	0.601 ON SEP 19	103 000	1981
1982	8.23 AT 09:10 MST ON JUN 06	7.35 ON JUN 06	0.300B ON MAR 03	32 700	1982
1983	8.79 AT 12:21 MST ON APR 25	6.21 ON APR 25	0.068 ON SEP 07 *	21 600	1983
1984	2.20 AT 23:03 MST ON MAY 16	1.77 ON MAY 17	0.113 ON JUL 13	10 800	1984
1985	9.47 AT 01:01 MST ON SEP 13	5.59 ON SEP 13	0.148 ON SEP 01	17 100	1985
1986	69.1 AT 01:29 MST ON FEB 25	9.66 ON MAY 23	0.465 ON AUG 28	48 900	1986
1987	---	6.71B ON APR 01	0.380 ON SEP 17	22 900	1987
1988	2.00 AT 02:27 MST ON JUN 09	1.85 ON JUN 09	0.173 ON JUN 25	9 160	1988
1989	2.52 AT 12:33 MST ON MAY 07	2.21 ON MAY 08	0.179 ON JUL 04	16 000	1989
1990	54.5 A ON MAY 26	45.9 A ON MAY 26	0.279B ON MAR 17	80 500	1990
				41 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	1.62	---	---	---	---	1908
1944	0.048	0.065	0.260	2.28	1.30	1.48	0.696	0.221	0.153	0.264	0.233	0.084	0.589	1944
1945	0.025	0.029	0.552	1.04	8.05	14.8	4.28	0.765	0.923	1.16	0.591	0.883	2.76	1945
1946	0.365	0.418	1.43	2.03	3.25	9.87	2.23	0.755	1.87	1.54	0.900	0.597	2.10	1946
1947	0.491	1.30	3.55	6.83	10.1	9.34	2.66	2.09	4.21	3.29	2.02	1.53	4.12	1947
1948	1.04	0.810	3.91	13.6	36.1	25.0	8.48	3.81	1.60	1.26	0.790	0.248	8.08	1948
1949	0.137	0.097	0.534	3.70	3.74	3.40	1.02	0.107	0.141	0.392	0.536	0.225	1.17	1949
1950	0.049	0.409	1.16	3.43	5.37	3.84	1.00	0.539	0.154	0.367	0.215	0.225	1.40	1950
1951	0.181	0.135	7.85	6.33	15.9	31.6	13.1	6.30	13.1	8.69	3.79	2.33	9.15	1951
1952	0.542	1.69	4.69	13.9	8.78	9.19	5.29	3.60	1.78	1.17	0.818	0.476	4.33	1952
1953	0.317	0.567	3.75	6.65	21.1	62.1	17.4	3.36	1.80	1.26	1.09	0.738	9.44	1953
1954	0.639	1.01	0.753	5.28	13.7	9.15	2.38	2.32	2.69	3.60	2.03	0.964	3.72	1954
1955	0.378	0.596	0.692	11.3	23.8	13.2	11.3	2.19	1.30	1.22	0.494	0.649	5.62	1955
1956	0.541	0.324	2.74	3.97	7.08	3.10	5.63	1.12	0.859	0.685	0.701	0.368	2.27	1956
1957	0.137	0.461	1.56	5.25	8.76	5.86	1.19	0.606	0.560	0.978	0.881	0.476	2.23	1957
1958	0.291	0.312	1.47	10.5	11.2	7.42	10.1	3.10	1.28	0.719	0.666	0.598	3.99	1958
1959	0.386	0.279	4.13	4.91	9.57	7.40	2.11	0.949	1.07	0.945	1.10	0.772	2.81	1959
1960	0.582	0.998	5.71	2.95	8.59	3.92	0.709	0.521	0.162	0.270	0.229	0.204	2.08	1960
1961	0.242	0.264	0.569	1.23	4.82	1.87	0.403	0.430	0.291	1.29	0.838	0.421	1.06	1961
1962	0.869	1.40	4.49	9.54	3.86	2.55	0.697	0.226	0.284	0.296	0.257	0.176	2.05	1962
1963	0.159	0.387	0.418	0.779	1.90	10.8	14.3	1.26	0.671	0.500	0.353	0.285	2.66	1963
1964	0.120	0.126	0.128	2.26	13.8	8.36	2.42	0.606	0.919	0.668	0.487	0.220	2.52	1964
1965	0.132	1.47	0.441	6.81	3.73	9.78	7.49	1.75	2.66	1.79	0.924	0.678	3.13	1965
1966	0.286	0.237	2.76	2.69	3.65	13.9	2.99	1.63	0.647	0.759	0.574	0.314	2.54	1966
1967	0.133	0.240	3.42	2.85	10.6	30.6	5.23	1.63	0.793	0.820	0.768	0.434	5.47	1967
1968	0.519	0.435	1.19	1.06	1.56	3.19	1.76	1.27	2.78	4.30	2.00	1.26	1.78	1968
1969	0.869	0.836	3.63	13.8	11.9	19.4	24.5	2.95	1.43	1.35	1.16	0.586	6.90	1969
1970	0.325	0.639	1.33	3.37	8.21	11.1	3.44	0.692	0.712	0.834	0.674	0.683	2.67	1970
1971	1.82	3.38	1.28	5.09	4.17	6.88	1.14	0.380	0.470	0.664	0.616	0.278	2.16	1971
1972	0.367	0.507	6.58	7.33	16.3	8.40	2.65	3.54	2.37	2.00	1.66	0.760	4.38	1972
1973	1.10	1.26	2.04	4.87	11.4	7.45	1.60	0.811	0.631	0.878	0.804	0.647	2.80	1973
1974	0.580	0.797	3.38	4.73	21.2	12.4	2.55	1.66	1.22	1.17	0.875	0.768	4.30	1974
1975	0.591	0.484	0.853	7.66	17.7	16.7	7.37	2.52	1.14	1.02	0.716	0.605	4.79	1975
1976	1.16	0.750	3.22	3.17	4.95	2.66	0.788	8.71	1.30	0.847	0.505	0.567	2.40	1976
1977	0.744	0.830	1.08	1.89	0.862	0.439	0.167	0.339	0.349	0.388	0.175	0.194	0.619	1977
1978	0.263	0.364	3.23	2.22	12.0	10.4	5.57	2.24	1.86	0.977	0.952	0.489	3.40	1978
1979	0.210	0.547	2.54	6.05	14.2	4.95	1.08	0.968	0.544	0.522	0.341	0.361	2.70	1979
1980	0.216	0.443	0.988	3.16	2.91	5.74	0.552	0.578	0.734	0.769	0.664	0.816	1.46	1980
1981	0.602	0.790	1.07	1.02	18.5	14.6	4.95	2.42	0.628	0.611	0.461	0.281	3.85	1981
1982	0.024	0.167	0.599	2.93	1.52	4.64	2.10	0.337	0.381	0.496	0.690	0.525	1.20	1982
1983	0.578	0.690	1.05	1.77	1.83	1.90	0.611	0.195	0.085	0.214	0.533	0.306	0.818	1983
1984	0.806	0.555	0.581	0.573	0.638	0.544	0.163	0.052	0.193	0.167	0.510	0.254	0.419	1984
1985	0.364	0.399	0.985	1.28	0.638	0.535	0.093	0.217	1.11	1.55	1.08	0.786	0.753	1985
1986	0.843	2.84	1.52	2.14	6.05	3.37	1.09	0.552	0.922	1.82	1.05	0.655	1.90	1986
1987	0.627	0.822	0.926	2.02	1.34	0.869	0.785	0.942	0.504	0.534	0.616	0.576	0.879	1987
1988	0.270	0.490	0.578	0.634	0.375	0.553	0.193	0.214	0.145	0.181	0.567	0.406	0.382	1988
1989	0.333	0.369	0.573	1.20	1.19	1.01	0.476	0.283	0.280	0.456	0.656	0.394	0.602	1989
1990	0.579	0.552	0.902	1.18	10.2	12.0	2.25	1.98	0.456	0.442	0.406	0.530	2.63	1990
MEAN	0.466	0.695	2.06	4.49	8.86	9.54	3.90	1.57	1.29	1.19	0.830	0.568	2.96	MEAN

LOCATION - LAT 50 01 05 N DRAINAGE AREA 1 160 km²
LONG 113 42 50 W REGULATED SINCE 1966

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1944	5.80 AT 17:40 MST ON APR 04	5.47 ON APR 04	0.028 ON AUG 11	18 600	1944
1945	36.2 AT 09:00 MST ON JUN 07	25.7 ON JUN 28	0.020 ON FEB 01	87 100	1945
1946	---	22.1 ON JUN 07	0.113 ON FEB 08	66 200	1946
1947	22.7 AT 17:00 MST ON JUN 11	21.1 ON JUN 11	0.170B ON JAN 14	130 000	1947
1948	76.7 AT 17:00 MST ON MAY 23	71.9 ON MAY 23	0.198B ON DEC 15	255 000	1948
1949	11.4 AT 16:50 MST ON MAY 22	10.6 ON MAY 23	0.037 ON AUG 19	36 900	1949
1950	9.34 AT 17:00 MST ON MAY 13	8.64 ON MAY 16	0.014B ON FEB 13	44 100	1950
1951	121 ON JUN 24	95.0 ON JUN 24	0.051B ON FEB 01	289 000	1951
1952	---	35.1 ON APR 07	0.028B ON JAN 24	137 000	1952
1953	283 AT 06:00 MST ON JUN 09 *	234 ON JUN 09 *	0.170B ON JAN 01	298 000	1953
1954	37.1 AT 08:30 MST ON MAY 12	34.8 ON MAY 12	0.340B ON MAR 22	117 000	1954
1955	92.6 AT 07:00 MST ON MAY 19	73.9 ON MAY 19	0.227B ON FEB 27	177 000	1955
1956	38.2 AT 08:20 MST ON JUL 04	33.4 ON JUL 04	0.198B ON FEB 27	71 800	1956
1957	14.6 AT 16:00 MST ON APR 30	13.3 ON MAY 02	0.085B ON JAN 15	70 400	1957
1958	36.2 AT 07:50 MST ON APR 14	27.6 ON APR 14	0.113B ON FEB 17	126 000	1958
1959	17.5 AT 12:00 MST ON MAY 28	16.7 ON MAY 28	0.170B ON JAN 24	88 700	1959
1960	---	26.1 B ON MAR 20	0.116 ON SEP 21	65 700	1960
1961	---	7.48 ON MAY 25	0.125 ON SEP 06	33 500	1961
1962	45.9 AT 03:00 MST ON APR 05	30.3 ON APR 05	0.079 ON AUG 26	64 500	1962
1963	255 ON JUN 29	185 R ON JUN 30	0.057B ON NOV 19	84 000	1963
1964	---	32.6 ON MAY 07	0.028B ON JAN 12	79 600	1964
1965	---	37.4 ON JUN 18	0.017B ON JAN 07	98 700	1965
1966	---	33.7 ON JUN 05	0.034B ON JAN 31	80 100	1966
1967	---	81.3 ON MAY 31	0.037B ON JAN 31	172 000	1967
1968	---	9.91 ON SEP 28	0.082B ON JAN 28	56 300	1968
1969	105 AT 16:30 MST ON JUL 01	92.6 ON JUL 01	0.362B ON DEC 31	218 000	1969
1970	---	47.6 ON JUN 14	0.229B ON JAN 15	84 200	1970
1971	---	22.7 ON JUN 07	0.133B ON DEC 11	68 100	1971
1972	---	37.7 ON MAY 26	0.278B ON JAN 12	139 000	1972
1973	44.5 AT 16:00 MDT ON MAY 26	30.9 ON MAY 27	0.459 ON AUG 29	88 200	1973
1974	33.7 AT 07:10 MST ON MAY 21	32.3 ON MAY 21	0.283B ON JAN 13	136 000	1974
1975	90.3 AT 22:00 MST ON JUN 20	64.0 ON JUN 21	0.283B ON NOV 27	151 000	1975
1976	---	32.0 ON AUG 06	0.181B ON NOV 12	75 900	1976
1977	---	7.79 ON APR 05	0.051 ON JUL 24	19 500	1977
1978	---	36.2 ON MAY 18	0.170B ON DEC 13	107 000	1978
1979	---	18.3 ON MAY 17	0.140B ON JAN 06	85 300	1979
1980	---	12.9 ON MAY 27	0.100B ON FEB 23	46 100	1980
1981	---	59.2 ON JUN 14	0.055B ON DEC 31	121 000	1981
1982	---	7.92 ON JUN 07	0 B ON JAN 22 *	37 800	1982
1983	---	6.19 ON APR 26	0.008E ON AUG 08	25 800	1983
1984	---	1.98 ON MAY 17	0 ON AUG 21	13 200	1984
1985	---	7.17 ON SEP 13	0 ON JUL 07	23 800	1985
1986	---	40.0 B ON FEB 25	0.350B ON NOV 17	59 800	1986
1987	10.2 AT 07:36 MST ON APR 01	6.55 ON APR 01	0.245 ON AUG 04	27 700	1987
1988	4.33 AT 16:42 MST ON JUN 07	1.93B ON MAR 24	0.013 ON JUL 24	12 100	1988
1989	2.19 AT 08:53 MST ON MAY 09	2.06 ON MAY 09	0.019 ON JUL 09	19 000	1989
1990	45.8 A AT 22:40 MST ON MAY 26	44.7 A ON MAY 27	0.210B ON DEC 28	83 000	1990
MEAN				93 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

WILLOW CREEK NEAR GRANUM - STATION NO. 05AB015

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	8.40	16.3	5.76	4.74	1.36	1.10	---	---	---	1924
1925	---	---	2.94	9.56	6.32	10.7	2.05	1.02	1.35	4.86	---	---	4.83	1925
1926	---	---	1.25	4.46	2.37	12.2	8.99	2.48	14.8	10.0	---	---	7.03	1926
1927	---	---	3.27	5.64	32.3	46.3	12.1	9.13	19.4	16.9	---	---	18.0	1927
1928	---	---	10.6	12.7	12.3	26.4	30.3	9.20	4.64	3.68	---	---	13.7	1928
1929	---	---	2.69	7.15	20.0	34.8	4.69	1.62	1.26	1.37	---	---	9.13	1929
1930	---	5.13	2.94	8.46	7.59	6.97	2.78	0.683	0.726	0.877	---	---	3.86	1930
1931	---	---	1.31	2.05	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	9.68	3.76	3.37	1.43	0.305	0.065	0.326	---	---	---	1935
1936	---	---	4.06	8.01	1.46	1.34	0.104	0	0	0	---	---	1.86	1936
1937	---	---	0.333	2.41	2.26	8.90	1.32	0.582	0.280	0.832	---	---	2.09	1937
1938	---	---	1.87	6.52	15.2	7.26	4.44	0.904	0.252	0.469	---	---	4.57	1938
1939	---	---	3.04	2.18	1.42	16.0	3.53	0.552	0.336	1.08	---	---	3.48	1939
1940	---	---	1.54	4.43	6.21	2.66	1.13	0.437	1.82	1.82	---	---	2.50	1940
1941	---	---	1.10	1.45	1.44	3.05	0.898	0.433	1.64	1.64	---	---	1.45	1941
MEAN	---	5.13	2.84	6.05	8.65	14.0	5.66	2.29	3.42	3.21	---	---	6.04	MEAN

LOCATION - LAT 49 53 00 N LONG 113 33 00 W
DRAINAGE AREA, 2 000 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

WILLOW CREEK NEAR GRANUM - STATION NO. 05AB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	34.5 ON JUN 09	---	---	1924
1925	---	24.1 ON JUN 15	0.283B ON MAR 01	102 000	1925
1926	---	51.5 ON JUN 20	0.558B ON MAR 31	149 000	1926
1927	---	104 ON MAY 30	1.25 B ON MAR 01	382 000	1927
1928	---	60.3 ON JUL 03	2.61 B ON MAR 09	290 000	1928
1929	---	128 ON JUN 04 *	0.946 ON AUG 25	193 000	1929
1930	---	18.3 ON APR 03	0.467 ON AUG 30	81 700	1930
1931	---	---	---	---	1931
1935	---	62.0 ON APR 13	---	---	1935
1936	---	38.5 B ON APR 09	0 ON JUL 21 *	39 300	1936
1937	---	44.2 ON JUN 14	0 B ON MAR 01	44 300	1937
1938	---	40.5 ON MAY 24	0.085 ON SEP 28	96 700	1938
1939	---	69.7 ON JUN 17	0.057B ON MAR 01	73 700	1939
1940	---	11.9 ON APR 13	0.040 ON SEP 02	52 900	1940
1941	---	8.69 ON JUN 03	0.028B ON MAR 01	30 700	1941
				128 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	8.36	3.78	1.26	1.17	---	---	---	1909
1910	---	---	---	1.15	1.49	0.665	0.090	0.077	1.32	1.35	---	---	---	1910
1911	---	---	---	2.18	5.97	5.64	2.05	8.74	15.8	3.86	---	---	---	1911
1912	---	---	---	---	6.64	10.8	14.0	8.06	3.89	3.41	---	---	---	1912
1913	---	---	---	---	---	11.2	8.99	8.48	5.29	2.61	2.42	---	---	1913
1914	---	---	---	5.16	4.42	4.29	2.57	0.887	0.617	3.55	---	---	---	1914
1915	---	---	---	3.67	28.2	45.6	34.7	15.4	8.11	5.35	3.98	3.00	---	1915
1916	0.511	1.92	4.67	6.27	9.08	25.3	16.7	4.94	6.53	7.04	5.53	3.02	11.3	1916
1917	1.12	0.823	2.04	12.0	38.6	52.8	11.1	4.50	2.84	2.33	2.74	0.682	15.7	1917
1918	0.576	0.869	2.51	2.84	4.24	2.23	0.837	0.652	1.06	0.983	0.478	0.181	2.04	1918
1919	0.252	0.262	0.266	3.16	3.73	1.34	0.105	0.282	0.227	0.481	1.04	0.361	1.19	1919
1920	0.347	0.415	3.07	8.56	34.5	16.0	5.72	1.27	0.629	0.736	0.732	0.306	8.82	1920
1921	0.053	0.514	1.78	4.86	4.56	3.08	1.05	0.321	0.587	0.556	0.379	0.248	2.05	1921
1922	0	0	0.212	6.43	10.8	4.70	2.34	0.628	0.513	0.337	0.268	0.085	3.20	1922
1923	0.050	0.015	0.504	2.66	3.67	63.5	18.6	7.72	3.11	2.00	---	---	12.6	1923
1924	---	---	2.23	---	---	---	---	---	---	---	---	---	---	1924
1942	---	---	1.09	4.38	40.0	45.8	20.4	9.28	6.71	5.43	---	---	16.6	1942
1943	---	---	5.55	14.6	7.89	7.34	2.73	0.667	0.364	0.587	---	---	4.94	1943
1944	---	---	0.376	3.28	1.42	1.29	0.637	0.414	0.308	0.146	---	---	0.976	1944
1945	---	---	0.512	0.935	7.67	17.1	5.16	0.754	0.953	1.06	---	---	4.24	1945
1946	---	---	2.63	2.19	3.44	12.2	2.54	0.793	2.86	3.12	---	---	3.70	1946
1947	---	---	4.97	11.3	14.6	12.6	3.59	2.04	3.75	5.00	---	---	7.20	1947
1948	---	---	5.82	21.1	55.8	43.5	14.2	6.81	2.27	2.22	---	---	18.9	1948
1949	---	---	0.864	6.07	5.08	4.48	1.31	0.214	0.276	0.745	---	---	2.36	1949
1950	---	---	2.36	4.53	6.25	4.50	1.55	0.649	0.210	0.318	---	---	2.54	1950
1951	---	---	11.4	8.57	18.9	41.9	19.9	8.21	20.4	14.5	---	---	17.9	1951
1952	---	---	5.21	21.2	11.9	12.5	7.50	4.70	2.22	1.63	---	---	8.32	1952
1953	---	---	5.04	7.63	28.4	88.3	17.7	6.05	3.07	1.86	---	---	19.6	1953
1954	---	---	2.00	8.04	15.4	13.5	3.61	3.69	3.64	4.43	---	---	6.77	1954
1955	---	---	1.88	15.0	34.6	20.5	15.1	3.07	1.80	1.71	---	---	11.7	1955
1956	---	---	5.39	4.64	6.82	3.32	7.12	1.58	1.12	0.796	---	---	3.86	1956
1957	---	---	3.31	6.37	9.95	6.69	2.09	0.818	0.735	1.30	---	---	3.90	1957
1958	---	---	4.55	15.8	14.4	8.67	13.2	4.73	1.78	1.12	---	---	7.77	1958
1959	---	---	5.60	5.95	12.8	11.9	3.68	1.33	1.42	1.27	---	---	5.49	1959
1960	---	---	6.70	4.06	11.3	6.06	1.31	0.594	0.186	0.389	---	---	3.83	1960
1961	---	---	0.965	1.43	5.11	2.31	0.437	0.684	0.351	1.46	---	---	1.60	1961
1962	---	---	5.74	12.5	4.41	3.13	0.770	0.242	0.304	0.324	0.310	0.198	3.40	1962
1963	0.132	0.819	0.642	0.793	1.84	11.5	20.3	1.73	0.745	0.500	0.603	0.584	4.77	1963
1964	0.361	0.260	0.453	2.55	16.6	9.33	2.87	0.781	0.982	0.789	0.557	0.375	4.30	1964
1965	0.223	1.71	2.01	9.70	4.39	11.0	10.3	2.99	3.45	2.63	1.49	1.04	5.77	1965
1966	0.288	0.371	3.03	3.50	4.31	17.3	4.51	2.84	1.06	0.978	0.813	0.468	4.66	1966
1967	0.262	0.264	3.68	7.67	26.8	49.6	10.4	2.31	1.23	1.28	1.48	0.632	12.8	1967
1968	1.47	1.22	2.93	2.30	2.41	3.79	2.34	1.62	1.66	5.18	---	---	3.02	1968
1969	---	---	6.99	20.4	15.1	24.2	33.7	3.92	1.92	2.03	---	---	13.5	1969
1970	---	---	1.94	4.43	7.77	12.4	4.36	1.01	0.797	1.14	---	---	4.22	1970
1971	---	---	1.88	6.27	3.87	7.10	1.35	0.574	0.526	0.860	---	---	2.78	1971
1972	---	---	11.6	9.81	19.6	12.2	4.20	4.08	3.17	2.66	---	---	8.41	1972
1973	---	---	3.31	4.95	12.0	9.01	2.20	1.01	1.06	1.12	---	---	4.32	1973
1974	---	---	4.35	5.90	24.0	15.8	3.33	2.22	1.62	1.52	---	---	7.34	1974
1975	---	---	0.990	9.21	21.7	23.2	10.3	3.66	1.79	1.60	---	---	9.04	1975
1976	---	---	4.01	3.94	5.01	3.05	0.776	10.2	1.92	1.39	---	---	3.80	1976
1977	---	---	1.63	2.50	0.921	0.416	0.186	0.379	0.378	0.399	---	---	0.849	1977
1978	---	---	8.01	3.83	11.5	15.5	6.54	2.98	4.02	1.66	---	---	6.75	1978
1979	---	---	4.63	7.34	17.5	6.68	1.38	0.904	0.593	0.616	---	---	4.96	1979
1980	---	---	1.79	3.91	3.15	7.73	0.519	0.679	0.937	1.02	---	---	2.44	1980
1981	---	---	1.72	1.20	21.4	17.1	5.93	2.95	0.954	0.867	---	---	6.52	1981
1982	---	---	0.854	3.91	1.70	5.14	2.70	0.253	0.342	0.564	---	---	1.92	1982
1983	---	---	1.65	2.01	2.06	1.83	0.534	0.109	0.100	0.227	---	---	1.06	1983
1984	---	---	0.998	0.675	0.382	0.297	0.100	0.087	0.147	0.274	---	---	0.370	1984
1985	---	---	1.03	1.59	0.318	0.472	0.046	0.157	1.65	1.84	---	---	0.883	1985
1986	---	---	2.24	2.09	6.12	3.95	1.34	0.549	1.25	2.08	---	---	2.45	1986
1987	---	---	1.39	2.37	0.913	0.937	1.16	1.34	0.753	0.673	---	---	1.19	1987
1988	---	---	1.04	0.751	0.679	0.711	0.247	0.449	0.103	0.255	---	---	0.529	1988
1989	---	---	0.336	2.11	1.03	1.20	0.904	0.821	0.537	0.553	---	---	0.932	1989
1990	---	---	0.929	1.02	10.2	14.8	2.88	2.39	0.924	0.734	---	---	4.22	1990
MEAN	0.403	0.676	2.99	5.99	11.6	14.4	6.35	2.70	2.19	1.88	1.46	0.799	5.90	MEAN

LOCATION - LAT 49 47 33 N DRAINAGE AREA, 2 290 km²
LONG 113 32 13 W REGULATED SINCE 1966

REMARKS - SINCE 1986, DIVERSIONS FROM LNID CANAL ARE SOMETIMES MADE FOR IRRIGATION

WILLOW CREEK NEAR NOLAN - STATION NO. 05AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.32 ON SEP 21	---	---	1910
1911	---	41.9 ON SEP 05	---	---	1911
1912	---	38.5 ON JUN 16	---	---	1912
1913	---	21.4 ON APR 12	---	---	1913
1914	---	12.7 ON APR 06	---	---	1914
1915	---	112 ON JUN 26	---	---	1915
1916	---	58.0 ON JUN 10	1.33 ON MAR 03	238 000	1916
1917	---	82.4 ON MAY 28	1.10 B ON MAR 01	332 000	1917
1918	---	11.4 B ON MAR 26	0.368 ON JUL 22	43 100	1918
1919	---	11.7 B ON APR 01	0.034 ON JUL 27	25 300	1919
1920	---	87.2 ON MAY 09	0.187B ON MAR 13	187 000	1920
1921	---	22.4 ON APR 03	0.062B ON MAR 16	43 500	1921
1922	---	24.5 ON APR 22	0 ON MAR 01 *	67 800	1922
1923	---	203 ON JUN 02	0.042B ON MAR 02	267 000	1923
1924	---	---	---	---	1924
1942	552 AT 12:00 MST ON MAY 12	317 ON MAY 12	0.057B ON MAR 01	352 000	1942
1943	---	77.9 ON APR 03	0.170B ON MAR 06	105 000	1943
1944	---	9.51 ON APR 05	0.057B ON MAR 10	20 700	1944
1945	---	37.9 ON JUN 07			
1946	60.6 ON JUN 08	58.0 ON JUN 08	0 B ON MAR 01	89 800	1945
1947	---	27.4 ON JUN 12	0.269 ON AUG 13	78 300	1946
1948	---	101 ON MAY 23	0.453B ON MAR 01	152 000	1947
1949	---	16.7 ON MAY 22	0.991 ON OCT 07	401 000	1948
1950	9.15 AT 10:00 MST ON MAY 16	9.00 ON MAY 28	0.057 ON AUG 23	50 000	1949
1951	---	90.6 E ON JUN 24	0.181 ON SEP 27	53 700	1950
1952	---	60.9 ON APR 07	0.227B ON MAR 01	380 000	1951
1953	592 AT 10:00 MST ON JUN 09 *	416 ON JUN 09 *	1.44 ON SEP 29	176 000	1952
1954	---	34.8 ON MAY 12	0.793B ON MAR 06	415 000	1953
1955	107 AT 16:00 MST ON MAY 19	101 ON MAY 20	1.10 B ON APR 03	143 000	1954
1956	---	31.7 ON JUL 05	0.623B ON MAR 02	248 000	1955
1957	---	15.3 ON MAY 09	0.227B ON MAR 01	81 700	1956
1958	---	22.1 ON APR 14	0.085B ON MAR 05	82 500	1957
1959	28.9 AT 15:00 MST ON JUN 28	28.0 ON JUN 28	0.510B ON MAR 08	165 000	1958
1960	34.8 B AT 16:00 MST ON MAR 20	29.2 B ON MAR 19	0.765B ON MAR 05	116 000	1959
1961	10.7 AT 01:00 MST ON MAY 18	9.68 ON MAY 17	0.113 ON SEP 20	81 100	1960
1962	31.8 AT 14:00 MST ON APR 05	37.1 ON APR 05	0.088 ON SEP 06	33 800	1961
1963	368 E ON JUN 30	200 RE ON JUN 30	0.074A ON AUG 23	72 000	1962
1964	50.1 AT 22:00 MST ON MAY 07	37.1 ON MAY 07	0.300B ON MAR 14	101 000	1963
1965	54.1 AT 22:00 MST ON JUN 18	37.7 ON JUN 19	0.351B ON MAR 08	91 000	1964
1966	41.9 AT 02:00 MST ON JUN 06	36.2 ON JUN 06	0.504B ON MAR 29	122 000	1965
1967	---	99.7 ON JUN 02	0.357B ON MAR 09	98 700	1966
1968	9.68 AT 02:00 MST ON SEP 27	9.26 ON SEP 27	0.396B ON MAR 12	271 000	1967
1969	120 AT 13:59 MST ON JUN 30	114 ON JUN 30	0.909 ON AUG 05	64 000	1968
1970	---	43.0 ON JUN 15	0.977B ON MAR 07	286 000	1969
1971	24.1 AT 12:30 MST ON JUN 07	25.5 ON JUN 08	0.569 ON AUG 28	89 300	1970
1972	87.2 B AT 18:00 MST ON MAR 11	47.3 B ON MAR 18	0.227 ON AUG 21	58 900	1971
1973	43.0 AT 03:20 MST ON MAY 27	37.4 ON MAY 27	0.283B ON MAR 01	178 000	1972
1974	37.9 AT 17:50 MST ON MAY 20	34.5 ON MAY 28	0.677 ON AUG 25	91 500	1973
1975	101 AT 08:30 MST ON JUN 21	94.0 ON JUN 21	0.940B ON MAR 01	155 000	1974
1976	42.2 AT 13:40 MST ON AUG 09	35.7 ON AUG 09	0.646B ON MAR 03	191 000	1975
1977	10.3 AT 12:05 MST ON APR 06	9.17 ON APR 06	0.190 ON JUL 26	80 400	1976
1978	37.1 AT 04:30 MST ON JUN 01	36.0 ON JUN 01	0.008 ON JUL 19	18 000	1977
1979	23.3 AT 03:30 MST ON MAY 18	22.7 ON MAY 18	0.702B ON MAR 03	143 000	1978
1980	16.2 AT 14:15 MST ON MAY 28	15.7 ON MAY 28	0.254B ON MAR 01	105 000	1979
1981	68.2 AT 00:25 MST ON JUN 15	62.4 ON MAY 23	0.060A ON JUL 30	51 700	1980
1982	11.7 AT 08:30 MST ON JUN 07	10.9 ON JUN 07	0.600 ON SEP 19	138 000	1981
1983	8.16 AT 12:55 MST ON APR 26	5.67 ON APR 26	0.130E ON AUG 21	40 600	1982
1984	1.69 AT 20:55 MST ON MAR 25	1.37B ON MAR 05	0.043 ON AUG 07	22 500	1983
1985	8.67 AT 21:20 MST ON SEP 12	5.92 ON SEP 14	0.004 ON AUG 28	7 830	1984
1986	100 E ON FEB 25	10.7 ON MAY 24	0 ON MAY 16	18 700	1985
1987	9.36 AT 02:46 MST ON APR 02	7.26 ON APR 02	0.234 ON AUG 29	51 900	1986
1988	1.90 AT 02:30 MST ON JUN 09	1.59 ON MAR 25	0.326 ON JUL 05	25 200	1987
1989	5.50B AT 07:15 MST ON APR 05	3.29B ON APR 05	0.001 ON JUL 26	11 200	1988
1990	49.2 AT 08:25 MST ON MAY 30	47.3 ON MAY 27	0.162B ON MAR 02	19 700	1989
			0.483 ON OCT 26	89 300	1990
				125 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1989

WILLOW RIVER NEAR WABASCA - STATION NO. 07JA003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.538	10.0	19.9	4.44	2.65	2.20	5.20	5.88	---	---	6.35	1985
1986	---	---	0.475	2.90	9.61	9.05	15.8	4.74	0.912	1.44	---	---	3.63	1986
1987	---	---	0.369	5.77	4.71	5.87	0.907	2.79	1.20	0.658	---	---	2.77	1987
1988	---	---	0.368	3.29	7.03	14.1	30.4	2.65	0.766	0.501	---	---	7.43	1988
1989	---	---	0.240	1.94	10.4	9.02	6.68	7.83	3.05	2.07	---	---	5.16	1989
1990	---	---	0.424	3.87	8.99	16.5	3.90	1.08	0.493	0.529	---	---	4.45	1990
MEAN	---	---	0.402	4.63	10.1	9.86	10.1	3.55	1.94	1.85	---	---	5.30	MEAN

LOCATION - LAT 55 55 01 N
LONG 113 55 13 W
DRAINAGE AREA, 1 030 km^2
NATURAL FLOW

WILLOW RIVER NEAR WABASCA - STATION NO. 07JA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	47.3 AT 13:00 MST ON MAY 05	---	0.350B ON MAR 08	134 000	1985
1986	45.0 AT 10:00 MST ON JUL 19	44.4 ON JUL 19	0.310B ON MAR 14	119 000	1986
1987	23.1 AT 09:00 MST ON JUN 04	22.3 ON JUN 04	0.318B ON MAR 12	58 600	1987
1988	192 A AT 07:30 MST ON JUL 08 *	179 A ON JUL 08 *	0.239B ON MAR 01	157 000	1988
1989	35.9 AT 22:00 MST ON MAY 27	33.3A ON MAY 28	0.227B ON MAR 10	109 000	1989
1990	86.2 AT 19:00 MST ON JUN 14	79.3 ON JUN 14	0.206 ON OCT 02 *	94 200	1990
				112 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLF CREEK AT HIGHWAY NO. 16A - STATION NO. 07AG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	1.27	0.895	---	1954
1955	0.687	0.650	0.598	8.28	9.58	6.58	5.57	1.53	0.391	0.741	0.605	0.263	2.96	1955
1956	0.314	0.282	0.275	4.49	4.48	5.51	2.19	1.24	0.888	0.805	0.716	0.530	1.81	1956
1957	0.545	0.332	0.418	8.00	6.96	2.03	2.83	8.78	2.60	4.70	3.46	1.44	3.53	1957
1958	0.919	0.766	0.619	6.53	6.80	7.93	7.16	0.596	0.964	1.14	0.539	0.279	2.86	1958
1959	0.153	0.062	0.236	1.73	3.12	9.50	2.34	0.967	1.26	1.97	1.38	0.702	1.95	1959
1960	0.508	0.385	1.74	4.22	8.72	6.64	8.72	1.09	1.47	1.68	0.832	0.359	3.04	1960
1961	0.544	0.506	0.800	1.70	4.42	1.67	2.34	1.39	0.408	1.24	0.521	0.077	1.31	1961
1962	0.097	0.097	0.316	8.53	8.76	2.93	3.40	3.58	5.80	3.04	2.01	0.708	3.28	1962
1963	0.223	0.077	0.084	11.7	10.7	3.14	0.971	0.587	0.902	0.769	0.375	0.316	2.50	1963
1964	0.215	0.279	0.264	1.53	12.0	4.20	7.04	5.66	13.3	7.04	2.08	0.930	4.57	1964
1965	0.387	0.517	0.449	8.96	17.9	19.9	25.0	2.65	4.52	2.27	1.00	1.00	7.08	1965
1966	0.494	0.663	1.09	7.16	8.31	4.21	8.96	15.7	5.65	3.04	1.48	1.33	4.88	1966
1967	0.841	0.506	0.658	3.60	9.42	6.92	2.05	3.38	0.509	0.410	0.345	0.128	2.41	1967
1968	0.045	0.022	0.105	2.41	5.29	4.57	3.75	6.41	3.21	1.75	0.940	0.758	2.45	1968
1969	0.473	0.402	0.403	4.88	5.39	2.16	7.61	18.6	5.99	5.78	2.62	0.619	4.62	1969
1970	0.508	0.606	0.796	5.88	6.00	8.68	3.30	1.55	0.960	0.942	0.605	0.533	2.53	1970
1971	0.506	0.647	0.567	9.16	7.15	27.6	26.3	2.76	2.25	4.52	2.08	1.09	7.07	1971
1972	0.826	0.406	2.35	7.97	18.0	31.1	8.41	3.67	2.92	6.00	2.71	1.24	7.12	1972
1973	0.890	0.992	0.978	12.4	15.2	4.59	2.27	5.05	2.14	2.91	1.17	0.812	4.13	1973
1974	0.728	0.718	0.863	15.7	22.2	3.11	8.08	2.91	2.08	2.02	0.662	0.671	5.01	1974
1975	0.542	0.563	0.524	1.76	4.68	5.63	5.82	0.989	0.934	0.868	0.576	0.489	1.96	1975
1976	0.525	0.509	0.536	6.79	2.63	3.46	5.44	9.78	2.50	1.49	0.935	0.670	2.95	1976
1977	0.543	0.650	0.591	3.81	29.6	10.0	6.89	9.01	14.3	5.70	1.52	0.772	7.00	1977
1978	0.672	0.652	1.15	7.05	10.6	16.1	8.09	2.70	11.2	4.11	1.94	1.08	5.45	1978
1979	0.498	0.516	0.824	2.16	8.77	9.37	8.94	2.46	0.779	1.23	0.858	0.627	3.10	1979
1980	0.599	0.586	0.621	7.75	7.78	43.1	13.7	6.22	8.76	3.12	1.95	1.26	7.91	1980
1981	0.810	0.569	1.06	3.62	9.96	6.82	3.30	1.46	0.981	1.00	0.937	0.257	2.58	1981
1982	0.179	0.338	0.322	2.39	8.75	5.98	41.1	4.89	4.74	3.87	1.21	0.585	6.28	1982
1983	0.556	0.604	0.643	3.19	2.81	5.16	12.8	1.34	1.05	1.07	0.987	0.432	2.57	1983
1984	0.420	0.612	0.862	3.16	9.50	6.08	1.45	1.26	7.77	3.56	1.65	1.02	3.11	1984
1985	0.925	0.644	0.598	9.59	4.85	3.85	2.10	4.21	9.37	3.57	1.21	1.07	3.50	1985
1986	0.653	0.763	1.52	4.38	16.2	5.08	53.2	8.36	6.65	10.1	2.89	1.82	9.43	1986
1987	0.979	0.796	0.717	3.35	4.36	2.40	2.03	4.07	1.12	0.799	0.667	0.380	1.81	1987
1988	0.290	0.180	0.594	2.65	1.18	5.53	4.53	2.45	1.37	1.51	0.741	0.569	1.80	1988
1989	0.438	0.460	0.456	2.29	4.40	8.18	15.4	22.7	9.02	3.96	3.09	1.62	6.05	1989
1990	1.33	0.970	1.20	6.90	11.8	24.4	20.8	2.90	2.15	1.62	0.667	0.965	6.33	1990
MEAN	0.552	0.509	0.717	5.71	9.12	9.00	9.55	4.80	3.91	2.79	1.33	0.765	4.08	MEAN

LOCATION - LAT 53 35 55 N LONG 116 16 15 W DRAINAGE AREA, 829 km^2 NATURAL FLOW

WOLF CREEK AT HIGHWAY NO. 16A - STATION NO. 07AG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	27.4 AT 16:15 MST ON JUN 01	27.2 ON JUN 01	0.110 ON SEP 04	93 500	1955
1956	---	11.2 ON JUN 18	0.142B ON MAR 05	57 100	1956
1957	---	29.4 ON APR 26	0.142B ON FEB 01	111 000	1957
1958	84.1 AT 11:00 MST ON JUN 29	80.4 ON JUN 29	0.085B ON DEC 08	90 100	1958
1959	26.6 AT 18:30 MST ON JUN 18	23.5 ON JUN 19	0.028B ON JAN 19	61 500	1959
1960	---	52.7 ON JUL 03	0.085B ON DEC 05	96 100	1960
1961	9.40 AT 14:00 MST ON JUL 31	8.61 ON JUL 31	0.023B ON DEC 24	41 300	1961
1962	---	20.5 ON MAY 21	0.028B ON FEB 02	104 000	1962
1963	---	41.1 ON APR 27	0.020B ON MAR 26	78 700	1963
1964	---	60.6 ON MAY 08	0.147B ON JAN 10	144 000	1964
1965	---	86.9 ON JUL 10	0.170B ON JAN 10	223 000	1965
1966	---	49.3 ON AUG 06	0.227B ON FEB 28	154 000	1966
1967	---	19.2 ON MAY 09	0.085B ON DEC 14	75 900	1967
1968	---	14.1 ON AUG 07	0.014B ON FEB 06 *	77 400	1968
1969	---	138 ON AUG 06	0.300B ON DEC 22	146 000	1969
1970	---	40.8 ON JUN 17	0.481B ON JAN 11	79 800	1970
1971	---	89.2 ON JUL 12	0.476B ON JAN 14	223 000	1971
1972	260 AT 23:30 MST ON JUN 26	218 ON JUN 26	0.292B ON FEB 18	225 000	1972
1973	---	33.7 ON MAY 05	0.748B ON JAN 17	130 000	1973
1974	---	58.9 ON APR 27	0.343B ON NOV 12	158 000	1974
1975	---	44.2 ON JUN 29	0.343B ON NOV 26	61 700	1975
1976	---	25.1 ON APR 13	0.445B ON MAR 04	93 200	1976
1977	---	92.9 ON MAY 30	0.411B ON JAN 07	221 000	1977
1978	---	35.1 ON JUN 15	0.484B ON FEB 13	172 000	1978
1979	---	29.6 ON JUN 15	0.255B ON JAN 25	97 900	1979
1980	---	158 ON JUN 06	0.541B ON MAR 05	250 000	1980
1981	---	22.2 ON MAY 09	0.110B ON DEC 28	81 200	1981
1982	---	182 ON JUL 05	0.080B ON JAN 03	198 000	1982
1983	---	32.7 ON JUL 02	0.330B ON DEC 24	80 900	1983
1984	---	27.6 ON MAY 17	0.300B ON JAN 15	98 300	1984
1985	35.6 AT 02:10 MST ON SEP 14	33.1 ON SEP 14 *	0.485B ON MAR 14	110 000	1985
1986	570 ON JUL 18 *	391 A ON JUL 18 *	0.418B ON FEB 28	297 000	1986
1987	11.8 AT 21:53 MST ON MAY 23	11.4 ON MAY 23	0.300B ON DEC 31	57 200	1987
1988	20.5 AT 21:52 MST ON JUN 12	17.8 ON JUN 13	0.118B ON FEB 24	56 900	1988
1989	118 ON AUG 17	100 A ON AUG 17	0.360B ON APR 08	191 000	1989
1990	102 ON JUN 13	86.7 E ON JUN 13	0.500B ON NOV 03	200 000	1990
				129 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 06AB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	0.094	0.526	0.537	0.541	---	1968
1969	0.567	0.590	0.640	1.80	3.43	1.81	0.934	0.597	0.539	0.597	0.644	0.690	1.07	1969
1970	0.708	0.708	0.805	1.51	2.13	1.21	13.2	6.83	4.30	3.65	2.68	1.95	3.34	1970
1971	1.41	1.03	0.715	3.05	5.72	3.59	10.4	4.07	1.09	0.242	0.079	0.169	2.65	1971
1972	0.327	0.419	0.520	2.33	5.90	2.20	0.837	0.598	0.100	0.073	0.177	0.184	1.14	1972
1973	0.180	0.176	0.181	0.440	1.87	3.74	2.50	2.61	3.52	2.68	2.42	1.57	1.83	1973
1974	1.16	0.941	0.864	4.74	18.7	6.16	2.16	0.914	0.860	0.867	0.817	0.680	3.26	1974
1975	0.721	0.934	0.756	1.26	4.99	4.93	7.72	4.10	1.99	1.02	0.665	0.686	2.50	1975
1976	0.626	0.499	0.406	0.869	0.913	0.841	3.04	2.07	1.78	0.878	0.407	0.428	1.07	1976
1977	0.452	0.393	0.375	0.654	1.52	1.86	1.12	1.56	1.10	0.988	0.540	0.390	0.917	1977
1978	0.384	0.453	0.448	0.754	1.89	3.50	1.16	0.341	0.551	0.553	0.281	0.390	0.891	1978
1979	0.494	0.472	0.452	0.456	2.08	4.18	1.26	0.370	0.669	0.389	0.305	0.516	0.970	1979
1980	0.451	0.284	0.222	0.778	0.431	0.173	0.028	1.24	3.18	3.00	1.42	0.899	1.01	1980
1981	0.556	0.399	0.317	0.581	0.623	0.374	0.503	0.248	0.051	0.004	0	0	0.305	1981
1982	0	0	0	0.040	0.607	0.444	0.341	0.367	0.307	0.175	0.083	0.026	0.201	1982
1983	0.034	0.062	0.070	0.161	1.78	0.724	0.881	0.450	0.228	0.141	0.104	0.100	0.398	1983
1984	0.099	0.173	0.145	0.394	1.05	2.89	0.922	0.210	0.014	0.015	0.118	0.184	0.516	1984
1985	0.250	0.257	0.231	0.896	3.94	2.35	0.692	0.200	0.054	0.005	0.001	0	0.742	1985
1986	0	0	0.001	0.059	0.706	0.501	2.01	2.75	0.193	0.052	0.019	0.057	0.537	1986
1987	0.143	0.201	0.307	1.88	2.32	---	---	---	---	0.021	0.010	---	---	1987
1988	0	0.004	0.044	0.037	0.127	0.567	1.15	0.864	0.545	0.127	0.082	0.080	0.304	1988
1989	0.134	0.236	0.255	0.188	0.536	1.35	1.04	0.152	0.110	0.065	0.058	0.060	0.349	1989
1990	0.131	0.254	0.396	0.701	2.05	1.17	0.577	0.074	0.039	0.016	0.006	0.001	0.452	1990
MEAN	0.401	0.386	0.370	1.07	2.88	2.12	2.50	1.46	0.969	0.699	0.498	0.436	1.16	MEAN

LOCATION - LAT 54 42 47 N
LONG 111 00 03 W
DRAINAGE AREA, 725 km^2
NATURAL FLOW

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 06AB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	5.24 ON MAY 07	0.487 ON AUG 26	33 800	1969
1970	18.0 AT 23:55 MST ON JUL 09	17.5 ON JUL 12	0.708E ON JAN 01	105 000	1970
1971	12.7 AT 05:30 MST ON JUL 14	12.7 ON JUL 14	0.065 ON NOV 05	83 700	1971
1972	---	7.22 E ON APR 30	0.048 ON OCT 19	36 100	1972
1973	5.27 AT 11:30 MST ON JUN 23	5.21 ON JUN 23	0.167 ON JAN 13	57 700	1973
1974	22.1 AT 11:00 MST ON MAY 15 *	22.0 ON MAY 14 *	0.558 ON SEP 04	103 000	1974
1975	10.1 AT 20:30 MST ON JUL 03	9.77 ON JUL 06	0.580 ON NOV 22	78 700	1975
1976	4.33 AT 20:30 MST ON JUL 20	4.25 ON JUL 20	0.337 ON APR 01	33 800	1976
1977	2.81 AT 15:30 MST ON MAY 29	2.71 ON MAY 29	0.326 ON MAR 08	28 900	1977
1978	---	5.49 ON JUN 05	0.235A ON AUG 15	28 100	1978
1979	---	5.96 A ON JUN 17	0.162 ON NOV 21	30 600	1979
1980	---	4.22 A ON SEP 27	0.003E ON JUL 30	31 900	1980
1981	---	0.917A ON APR 27	0 B ON NOV 14 *	9 600	1981
1982	0.961 AT 18:42 MST ON MAY 26	0.894 ON MAY 24	0 B ON JAN 01	6 330	1982
1983	2.50 AT 09:43 MST ON MAY 07	2.36 ON MAY 07	0.026B ON JAN 01	12 600	1983
1984	---	3.87 E ON JUN 09	0.003 ON SEP 06	16 300	1984
1985	5.14 AT 17:23 MST ON MAY 15	5.10 ON MAY 15	0 B ON DEC 01	23 400	1985
1986	4.93 AT 15:02 MST ON AUG 01	4.84 ON AUG 01	0 B ON JAN 01	16 900	1986
1987	3.03 AT 15:36 MST ON APR 25	2.92 ON APR 26	---	---	1987
1988	1.81 AT 15:13 MST ON JUL 21	1.69 ON JUL 21	0 B ON JAN 01	9 610	1988
1989	1.64 AT 16:07 MST ON JUN 13	1.56 ON JUN 12	0.040B ON DEC 09	11 000	1989
1990	2.45 AT 17:14 MST ON MAY 16	2.39 ON MAY 15	0 B ON DEC 09	14 300	1990
				36 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

MONTHLY AND ANNUAL MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.137	0.094	0.018	0.003	0	0	---	---	---	---	1967
1968	---	---	---	0.015	0.057	0.163	0.002	0.050	0.001	0.003	---	---	0.041	1968
1969	---	---	0	0.122	0.023	0.003	0.033	0	0.003	0.007	---	---	0.027	1969
1970	---	---	0.004	0.122	0.049	0	0	0	0	0	---	---	0.024	1970
1971	---	---	0	0.035	0.003	0.124	0.074	0.001	0.001	0.003	---	---	0.034	1971
1972	---	---	0.072	0.173	0.018	0.024	0.007	0.009	0.004	0.001	---	---	0.033	1972
1973	---	---	0.006	0.116	0.049	0.080	0.010	0.005	0.013	0.045	---	---	0.045	1973
1974	---	---	0.002	0.329	0.133	0.005	0.003	0.002	0.003	0.003	---	---	0.068	1974
1975	---	---	---	---	0.035	0.021	0.013	0.010	0.004	---	---	---	---	1975
1976	---	---	---	---	0.021	0.209	0.034	0.296	0.030	0.017	---	---	---	1976
1977	---	---	---	---	0.189	0.032	0.058	0.012	0.012	0.024	---	---	---	1977
1978	---	---	---	---	0.108	0.057	---	0.004	0.018	---	---	---	---	1978
1979	---	---	---	---	0.200	---	0.024	0.007	0.001	---	---	---	---	1979
1980	---	---	---	0.023	0.012	0.030	0.003	0	0	---	---	---	---	1980
1981	---	---	---	0.108	0.027	0.002	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.026	0.006	0.013	0.027	0.006	0.002	---	---	---	1982
1983	---	---	---	0.012	0.004	0.110	---	0.020	0.002	0.002	---	---	---	1983
1984	---	---	---	0.037	0.160	0.028	0.002	0.002	0.007	0.014	---	---	0.036	1984
1985	---	---	---	0.170	0.018	0.002	0.004	0.002	0.005	0.005	---	---	0.029	1985
1986	---	---	---	0.120	0.079	0.004	0.004	0.001	0.002	0.004	---	---	0.030	1986
1987	---	---	---	0.016	0.004	0.008	0.003	---	0.005	0.003	---	---	---	1987
MEAN	---	---	0.014	0.102	0.062	0.046	0.016	0.024	0.006	0.009	---	---	0.037	MEAN

LOCATION - LAT 54 55 17 N, LONG 117 18 32 W
DRAINAGE AREA, 11.1 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	0.614 AT 19:00 MST ON APR 26	0.527 ON APR 28	0 B ON APR 01 *	---	1967
1968	34.0 AT 14:50 MST ON JUN 12 *	2.36 ON JUN 12 *	0 ON SEP 22	764	1968
1969	22.9 A AT 04:15 MST ON JUL 18	0.954A ON JUL 18	0 ON JUL 13	500	1969
1970	0.479 AT 04:00 MST ON MAY 17	0.362 ON MAY 17	0 ON JUN 03	448	1970
1971	1.45 AT 09:30 MST ON JUL 12	0.719 ON JUL 12	0 B ON APR 01	631	1971
1972	0.773 AT 09:00 MST ON JUN 26	0.436 ON JUN 26	0 ON MAY 30	613	1972
1973	0.733 AT 22:00 MST ON JUN 10	0.552 ON JUN 11	0 ON AUG 11	831	1973
1974	1.26 B AT 23:00 MST ON APR 23	1.01 B ON APR 24	0 ON JUL 09	1 250	1974
1975	---	0.215B ON APR 18	0 B ON APR 02	---	1975
1976	---	2.33 E ON AUG 17	0.006 ON JUL 04	---	1976
1977	---	0.623 ON MAY 14	---	---	1977
1978	---	0.402 ON APR 30	0 ON AUG 05	---	1978
1979	0.925E AT 12:15 MST ON JUN 16	0.860E ON JUN 16	0 ON APR 06	---	1979
1980	0.136 AT 12:57 MST ON JUN 06	0.133 ON JUN 06	0 B ON APR 01	---	1980
1981	0.185 AT 22:52 MST ON APR 24	0.168B ON APR 25	0 ON MAY 31	---	1981
1982	0.344 AT 14:32 MST ON MAY 17	0.091 ON MAY 17	0 ON JUL 01	---	1982
1983	---	---	0 ON OCT 07	---	1983
1984	0.974 AT 15:55 MST ON MAY 17	0.946 ON MAY 17	0 ON JUL 24	664	1984
1985	0.619 AT 13:16 MST ON APR 13	0.558 ON APR 13	0 ON JUL 03	539	1985
1986	0.504 AT 20:05 MST ON MAY 18	0.370 ON APR 18	0 ON JUN 29	559	1986
1987	---	---	0 ON JUL 06	---	1987
				680	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YOUNG CREEK NEAR CASTOR - STATION NO. 05FC007

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	0.051R	0.003R	0.004R	0.010R	---	---	---	1986
1987	---	---	0	0.040	0	0	0	0	0	0	---	---	0.005	1987
1988	---	---	0.004	0.038	0	0.092	0.039	0.033	0.001	0.001	---	---	0.026	1988
1989	---	---	0.077	0.104	0	0.042	0.012	0.005	0.010	0	---	---	0.031	1989
1990	---	---	0.709	0.088	0.001	0.056	0.692	0	0	0	---	---	0.195	1990
MEAN	---	---	0.198	0.068	0	0.048	0.159R	0.008R	0.003R	0.002R	---	---	0.064R	MEAN

LOCATION - LAT 52 15 32 N LONG 111 43 44 W
DRAINAGE AREA, 76.7 km²
NATURAL FLOW

R - REVISED SINCE JAN 01 1989

YOUNG CREEK NEAR CASTOR - STATION NO. 05FC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	2.10 AT 03:23 MST ON JUL 30	---	---	---	1986
1987	---	0.181A ON APR 07	0B ON MAR 01 *	105	1987
1988	7.00 AT 07:49 MST ON JUN 30	2.75 ON JUN 30	0B ON MAR 01	544	1988
1989	4.65 AT 21:18 MST ON JUN 09	1.29 B ON MAR 31	0B ON MAR 01	655	1989
1990	18.5 AT 08:17 MST ON JUL 03 *	9.84 ON JUL 03 *	0 ON JUN 10	4 130	1990
				1 360	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD913

MONTHLY AND ANNUAL MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.313	0.005	0	0	0.032	0	0	---	---	---	1982
1983	---	---	---	0.169	0.001	0.047	0.250	0	0	0	---	---	---	1983
1984	---	---	---	0.004	0.004	0.010	0.002	0	0	0	---	---	---	1984
1985	---	---	---	0.014	0	0	0	0	0	0	---	---	---	1985
1986	---	---	---	0.016	0.019	0	0	0	0	0	---	---	---	1986
1987	---	---	---	0.078	0	0	0	0.002	0	0	---	---	---	1987
1988	---	---	---	0	0	0.007	0.043	0	0	0	---	---	---	1988
1989	---	---	---	0.065	0.002	0	0.006	0.200	0.056	0.037	---	---	---	1989
1990	---	---	---	0.029	0.003	0.493	0.002	0	0	0	---	---	---	1990
MEAN	---	---	---	0.076	0.004	0.062	0.034	0.026	0.006	0.004	---	---	---	MEAN

LOCATION - LAT 55 48 00 N LONG 118 47 00 W
DRAINAGE AREA, 31.6 km²
NATURAL FLOW

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD913

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	4.79 AT 22:08 MST ON APR 26	---	---	---	1982
1983	4.33 AT 21:05 MST ON JUL 20	---	---	---	1983
1984	0.449 AT 15:37 MST ON MAR 20	0.262B ON MAR 20	0 ON APR 02 *	---	1984
1985	0.271B AT 05:47 MST ON APR 02	0.145B ON APR 02	0 ON APR 10	---	1985
1986	2.70 AT 17:29 MST ON FEB 28	---	---	---	1986
1987	0.730B AT 20:10 MST ON APR 01	0.488B ON APR 01	0 ON APR 14	---	1987
1988	1.19 AT 15:07 MST ON JUL 03	0.560 ON JUL 03	0B ON MAR 29	---	1988
1989	2.25 AT 22:10 MST ON SEP 30	1.23 ON AUG 23	0B ON MAR 23	---	1989
1990	12.7 AT 00:59 MST ON JUN 12 *	9.58 ON JUN 12 *	0B ON APR 10	---	1990
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

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